

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>			1. CONTRACT ID CODE <b>J</b>		PAGE OF PAGES <b>1 3</b>		
2. AMENDMENT/MODIFICATION NO. <b>P00020</b>		3. EFFECTIVE DATE <b>See Block 16C</b>		4. REQUISITION/PURCHASE REQ. NO. <b>N/A</b>		5. PROJECT NO. (If applicable) <b>IS-1</b>	
6. ISSUED BY <b>US Army Communications-Electronics Command Washington, ATTN: AMSEL-AC-WA-B (Daoulas) Hoffman 1, Room 284, 2461 Eisenhower Avenue Alexandria, VA 22331-0700</b>		CODE <b>W73QLH</b>		7. ADMINISTERED BY (If other than Item 6) <b>DCMC Baltimore-Manassas 10500 Battleview Parkway Suite 200 Manassas, VA 20109-2342</b>		CODE <b>S2404A</b>	
<b>Telos Corporation</b> <b>19886 Ashburn Road</b> <b>Ashburn, VA 20147-2358</b>  <b>DUNS: 0562-80621</b> <b>TIN: 52-088974</b>				<input checked="" type="checkbox"/> 9A. AMENDMENT OF SOLICITATION NO.			
				<input type="checkbox"/> 9B. DATED (SEE ITEM 11)			
				<input checked="" type="checkbox"/> 10A. MODIFICATION OF CONTRACT/ORDER NO. <b>DAAB15-99-D-0001</b>			
				<input type="checkbox"/> 10B. DATED (SEE ITEM 13) <b>16 Nov 1998</b>			
CODE <b>OZPY5</b>		FACILITY CODE					

## 11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☐ is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning one (1) copy of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATA SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and data specified.

## 12. ACCOUNTING AND APPROPRIATION DATA (If required)

N/A

## 13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

<input checked="" type="checkbox"/>	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
<input checked="" type="checkbox"/>	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: <b>FAR 52.212-4(c). Changes (as tailored) and Mutual Agreement of Parties</b>
	D. OTHER Specify type of modification and authority

E. IMPORTANT: Contractor ☐ is not, ☒ is required to sign this document and return 3 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

SEE ATTACHED

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) <b>David W. Baker</b> <b>Vice President of Contracts</b>		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) <b>Vera D. Davis</b> <b>vdavis@hoffman-issaa2.army.mil</b> <b>Contracting Officer</b>	
15B. CONTRACTOR/OFFEROR  <b>//ORIGINAL SIGNED//</b> <i>(Signature of person authorized to sign)</i>	15C. DATE SIGNED <b>9/14/00</b>	16B. UNITED STATES OF AMERICA  <b>BY //ORIGINAL SIGNED//</b> <i>(Signature of Contracting Officer)</i>	16C. DATE SIGNED <b>9/18/00</b>

A. The purpose of this modification is to revise Parts B and D-1 as set forth below.

B. Part B, paragraph 31, is hereby changed to read as follows:

**31. Firm Fixed Price Task Order CLIN (CLIN 1029):** This CLIN has been established for issuing firm fixed price task orders for requirements that include but are not limited to additional lease equipment needed to complete a leased solution, to provide an ordering and payment vehicle for negotiated technology refreshments of leased solutions, and other FFP arrangements negotiated within the scope of this contract. Payment shall be made in accordance with the negotiated agreement specified in the task order, and may include 1 lot amounts, monthly, or other FFP arrangements. Each order containing CLIN 1029 shall be SubCLINed, as appropriate, to identify the specific deliverables required under the firm fixed price task order and shall be priced on a per unit basis. Firm Fixed Price Task Order deliverables shall only be added to an order after the Ordering Contracting Officer has performed a price analysis to determine that the prices are fair and reasonable.

C. The description of CLIN 1029 set forth at Part B-1 is hereby revised to add a reference to Part B, Paragraph 31.

D. Paragraph 22.5, Late Delivery, is hereby added to Part D-1 as follows:

22.5 Late Delivery. The Contractor shall be considered late if it fails to deliver ordered items (excluding wireless solutions products (CLIN 1038)) within 25 days after Contractor acceptance of an order for CONUS and OCONUS locations during non-surge months. For CONUS and OCONUS Surge Months and Remote OCONUS, the Contractor shall be considered late if it fails to deliver ordered items (excluding wireless solutions products (CLIN 1038)) within 40 days after Contractor acceptance of an order. The Contractor shall be considered late if it fails to deliver wireless solutions products ordered under CLIN 1038 within 90 days after Contractor acceptance of an order for all locations during any month. Notwithstanding the delivery requirements of the contract as forth above, ordering contracting officers can negotiate expedited or delayed delivery. The following procedures shall apply to late deliveries

- a. Where the delivery is late, the Government is entitled to consideration for the late delivery. The Contractor shall provide, as a minimum, additional warranty.

- b. Late deliveries made between one (1) and thirty (30) calendar days late, where there is no contributing cause by the Government, the Contractor shall provide one (1) month additional warranty.
- c. Late deliveries made between thirty-one 31 and sixty (60) calendar days late, where there is no contributing cause by the Government, the Contractor shall provide two (2) months additional warranty.
- d. The contractor shall identify, in the Monthly Status Report, all orders that have the additional warranty.
- e. A delivery order modification will not be required for the additional warranty consideration identified in subparagraphs 22.5.b and c above.
- f. This provision does not preclude the Ordering Contracting Officer from seeking further consideration beyond the additional warranty period for any late deliveries should circumstances warrant such action. Additional consideration shall be effected by delivery order modification following negotiated agreement between the Ordering Contracting Officer and the Contractor."

E. Part B of the contract is hereby revised to reflect the aforementioned changes and is attached.

F. Part D-1 of the contract is hereby revised to reflect the aforementioned changes and is attached.

G. By acceptance of this modification, the contractor agrees to the placing of the modification and the revised Part of the contract on the CECOM Acquisition Center Washington bulletin board.

H. Contract P.O.C. – Chris Daoulas, DSN: 221-3332, Comm: (703)325-3332.

**Part B, Addendum to Schedule and Standard Form 1449,**

**SF 1449, Block 11, Delivery - Free On Board (FOB) at Destination.**

Domestic and overseas delivery of the supplies identified in Part B-1 shall be in accordance with FAR Clause 52.247-35 entitled "Free On Board (F.O.B) Destination, within Consignee's Premises" and FAR Clause 52.247-48 entitled "F.O.B. Destination-Evidence of Shipment" which are incorporated by reference. The delivery destination shall be specified in each individual delivery order.

**SF 1449, Block 15, Delivery Requirements**

The contractor shall start accepting orders at the conclusion of the 60 calendar day period following issuance of the notice to proceed. The Government is authorized to issue orders for engineering and support services prior to the end of the 60-day start-up period. (Revised by P00001).

Delivery to the address(es) specified in each delivery order for other than Remote OCONUS shall be within 25 days from the date the order is accepted by the Contractor. Exceptions: 40 days from acceptance of an order shall be allowed for orders placed during the months of August and September.

Delivery to the address(es) specified in each delivery order for Remote OCONUS shall be within 40 days from the date the order is accepted by the Contractor. Exceptions for the months of August and September: None.

Delivery of wireless solutions products (CLIN 1038) to the address(es) specified in each delivery order shall be within 90 days from the date the order is accepted by the Contractor. Exceptions for the months of August and September: None.

The issuing Contracting Officer may arrange for partial deliveries or a longer delivery period. Accelerated delivery is at the discretion of the contractor, and is to be a no additional cost to the Government, unless otherwise authorized by specific instruction and price set forth in the delivery order. Ordering officials should understand that 5 days are to be factored in prior to the required delivery time, to enable Government and Contractor acceptance of the order processed through the COPO.

**SF 1449, Block 17b, Remittance Address**

Electronic Funds Transfer (EFT) payment shall be made as follows:

Financial Institution Address: Nationsbank / ACH Services

Routing Transit Number: 111000012

Depositor Account Number: 3750651049

**If not paying via EFT**, payment shall be made to the following address:

Contractor's designated address:

Telos Corporation  
P.O. Box 277391  
Atlanta, GA 30384-7391

**SF 1449, Block 18a, Payment Office and Procedures**

The payment office shall be identified on each individual delivery order.

The payment office for orders funded with Department of Defense (DOD) funding will be paid by the following

Payment Office  
DFAS-Columbus Center  
South Entitlement Operations  
P. O. Box 182264  
Columbus, Ohio 43218-2264

Code: HQ0338

(Revised by P00001)

The payment office for orders funded with non-DOD funding will be made by the payment office annotated on the individual delivery order.

Upon signature of the certifying official on the Standard Form 1449, block 41b, payment shall be made. The procedures for payment shall be in accordance with FAR Clause 52.212-4, Contract Terms and Conditions-Commercial Items, paragraph (I) entitled 'Payment'.

**SF 1449, Block 18b, Invoice Submission**

The address for invoice submission shall be identified on each individual delivery order. Invoice submission shall be in accordance with FAR Clause 52.212-4, Contract Terms and Conditions-Commercial Items, paragraph (g) entitled 'Invoice'.

**SF 1449, Block 25, Accounting Data:**

The funding obligated for this contract is as follows:

<u>ACRN</u>	<u>ACCOUNTING &amp; APPROPRIATION</u>	<u>REQUISITION NO.</u>
	<u>AMOUNT</u>	

AA	97X4930 AFAC 054 0SX160 068142 2F 000000	S98WR03600 AN \$0
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The funds cited above are obligated to cover the minimum guaranteed amount set forth in this contract. The Contractor is not authorized to submit an invoice for these funds at this time. These funds, or any portion of these funds, may either be used to fund a future delivery order(s), or shall be deobligated once the minimum guaranteed amount for year one is ordered by delivery order or task order under this contract. Funds in the amount of \$100,000 were deobligated by P00001. (Revised by P00001)

**SF 1449, Block 20 through Block 24 Special Pricing Instructions (considered as Part of the Schedule of Supplies and Services for order of precedence):**

1. Only Firm Fixed-Price (FFP) CLINs/Contract Subline Item Numbers shall be proposed.
2. Prices shall remain constant, as explained in the Required Pricing Strategy below.
3. All proposed prices shall be in whole U.S. dollars, except for CLINS X021 through X024. Proposing in cents will not be permitted, except for CLINS X021 through X024.
4. The only CLINs/Contract Subline Item Numbers to be "Not Separately Priced" (NSP) are the Data Requirements CLINs for PM SCP reports and data submittals called out in individual delivery/task orders (i.e., Statement of Work paragraph 10.1.2, 10.2.2, 10.32, 13.2, 13.3, 13.4., 13.5, 13.6, 13.7, 13.8, and the Rack Mount Kit for the 8-way server).
5. **CLINS separately priced. Except as specifically authorized by the solicitation/contract,** all CLINs/Contract Subline Item Numbers shall be priced and shall be separately orderable. The Government reserves the right to reserve any CLIN/Contract Subline Item Number on the contract at any time throughout the ordering period. Accordingly, pricing for any CLIN/Contract Subline Item Number must stand alone, and not be dependent upon the authorization of any other

CLIN/Subline Item Number. All software CLINs/SLINs shall be available on the contract for factory installation, for installation on equipment purchased previously from the IS-1 contract, and installation on third party hardware (i.e. separately orderable). Software is not required to be made available for leasing in a stand alone mode; leased software may be limited to provision as a part of a leased system.

**6. Exclusion of customs / duties.** In accordance with DFARS 252.225-7021 and 225.603, the offered price of qualifying country end products, designated country end products, NAFTA country end products, and Caribbean Basin country end products for line items subject to the Trade Agreements Act or the North American Free Trade Agreement Implementation Act, should not include custom fees or duty. DOD will issue duty-free entry certificates as set forth at DFARS 225.602, to enable the contractor to coordinate customs clearance and obtain exemption from applicable taxes and duties.

**7. SOFA, Technical Representative Status and Logistic Support.** The proposal shall detail what adjustment factor(s) in terms of a percentage by CLIN/Subline Item Number has been applied to each CLIN/Subline Item Number proposed, as a result of being granted SOFA and Technical Representative Status and Logistic Support in the Republic of Korea (ROK). The factor(s) will be used in the event that privileges in the ROK are revoked due to Government action (attributable to factors other than contractor failure to abide by terms for privileges conveyed). Loss of any logistical support privileges / technical expert status conferred, due to failure to abide by terms for such privileges, shall not constitute an excusable basis for non-performance under the contract, nor create an entitlement for equitable adjustment. The PCO will not arbitrate or intervene in any dispute pertaining to revocation of privileges by the local authorities.

**8. FMS Requirements.** Historic data indicates that approximately 1/16<sup>th</sup> of the total yearly contract price estimates reflect FMS customer requirements. In developing proposed pricing, offerors should account for the potential risk that future ordering patterns may be different than the prior history.

**9. A single FFP destination unit price** shall be offered for each CLIN/Contract Subline Item Number, regardless of CONUS, OCONUS or Other OCONUS delivery point. Prior ordering history indicates that for the period October 1995 through May 1997, \_85%\_\_ percent of orders were delivered to CONUS destinations, \_14%\_\_percent of orders were delivered to OCONUS destinations (half of which were delivered to the Republic of Korea), and \_1%\_\_ percent of orders were delivered to Other OCONUS destinations. In developing proposed pricing, offerors should account for the risk that future ordering patterns may be different than the prior history.

**10. Straight Lease and Lease with Option to Purchase (LWOP) Agreement Price Model.**

All CLINS for lease and lease with option to purchase (LWOP) shall be priced for all contract years. The price model as of the final proposal revision/contract award, will serve as the method to be used in pricing lease rates over the life of the contract, to include CLINs adjusted through actions such as technology additions and insertions.

**11. One Year, Two Year and Three Year Straight Lease** is where the offeror retains title to the equipment throughout the system life. Monthly lease payments for leases initiated under a specific CLIN in any given contract year shall be uniform in price through the term of the lease.

**12. Purchase Options on Straight Leases.** Any purchase option(s) on straight leases shall be offered for leased CLINS, however, the purchase option pricing will be negotiated with the Ordering Contracting Officer under a task order. The Government may exercise a purchase option at any time within the lease term as long as the option is exercised prior to expiration of the lease term. Lease terms may extend beyond the contract ordering period, and that purchase options may be exercised on such leases beyond the contract ordering period.

**13. One Year Lease With Option for a Second Year Straight Lease** is where a two year lease may be achieved through the use of a base year and option to extend for an additional 12 months. Under this contract, option to purchase may be exercised by the Government in any month of the lease term.

**14. One year, Two Year and Three Year Lease With Option to Purchase (LWOP)** is where lease is with option to purchase at predetermined intervals of time. Under this contract, option to purchase may be exercised by the Government in any month of the lease term. The equipment purchase price is to be reduced by subtracting lease payment credits as set forth in the offeror's proposal; the equipment purchase price shall be the same as the outright purchase price proposed for the particular CLIN configuration/equipment on contract, unless the offeror identifies a separate purchase price for this purpose. Lease payment credits may exclude monthly financing charges contained as part of the monthly payments.

**15. Monthly lease payments** for the duration of the leases initiated under a specific CLIN in any given contract year shall be uniform in price. For example: All 12 payments of the 12 month lease, all 24 payments of the 24 month lease, and all 36 payments under the 36 month lease shall be the same. In the 12 month straight lease with option to lease an additional 12 months arrangement, each consecutive 12 month payment schedule must be the same, however, the monthly payments for the option period may be different from the base 12 month period.

**16. Discontinuance of Lease.** The Government will not accept or agree to any charges for Government termination of lease. Any termination of lease, not the result of contractor default,



will be accomplished pursuant to the Termination for Convenience provision of the Contract (FAR 52.212-4). The Government reserves the right to terminate lease arrangements at any time, subject to a 30 day written termination notice to be provided to the Contractor.

**17. Purchase Option Credits.** Credits which accrue to the Government as a result of leasing equipment shall be identified in the offeror's proposal.

**18. Reserved.**

**19. Quantity Discounts.** This is an Indefinite Delivery Indefinite Quantity Contract, and estimated quantities are noted by contract year in the Price Model. Pricing should provide the offeror's best pricing but the Contractor may negotiate price discounts with the ordering Contracting Officers on individual delivery orders.

**20. Severable CLINS.** The Government reserves the right to reserve any CLIN/Contract Subline Item Number on the contract at any time throughout the ordering period, without adjusting and other CLIN/Contract Subline Item Number as a result of the reservation. Accordingly, pricing for any CLIN/Contract Subline Item Number must stand alone, and not be dependent upon the authorization of any other CLIN/Subline Item Number.

**21. Engineer and Support Services:** The contractor will utilize contracted rates when proposing on task orders for engineering and support services; discounts may be offered where negotiated on specific task orders. Labor rates shall be priced using fully loaded fixed labor rates, exclusive of overtime, to be used for the term of the contract under task orders requiring hourly, daily, weekly, monthly and yearly work, as set forth in the Schedule. Rates do not include prices for travel, material, facilities, subcontracted effort or other direct costs that would be unique other direct costs associated with the individual task order. A labor rate will apply for the entire contract year.

**22. Engineer and Support Service Labor Rates.**

22.1 Daily rates shall be based upon 8 productive hours per day. Weekly rates shall be based upon 40 productive hours per week. Monthly rates shall be based upon 160 productive hours per month. Yearly rates shall be based upon 1920 productive hours per year. Prorated invoicing, using the Credit/Price Adjustment CLIN, shall apply as detailed herein.

22.2 Computation of Fractional Charges: Charges for fractions of a 1920 hour man year shall be computed at the rate of 1/12 of the man year rate charge for each man month. Charges for fractions of a 160 hour man month shall be computed at the rate of 1/20 of the monthly charge for each work day unless otherwise specified on an individual task order. Charges for fractions

of a 40 hour man week shall be computed at the rate of 1/5 of the weekly charge for each work day unless otherwise specified on an individual task order. Charges for fractions of an 8 hour man day shall be computed at the rate of 1/8 of the daily charge for each man hour. Labor charges for fractions of an hour shall be computed at the rate of 1/4 of the hourly rate for each 1/4 of an hour or part thereof. Any combination of the above adjustments can be utilized for billing purposes, using the Credit/Price Adjustment CLIN as appropriate, in order to derive prorated charges for work actually performed in an amount less than placed on the delivery order.

22.3 All labor CLINS shall be proposed using a single firm fixed-price (loaded rate) that applies to each contract year, escalated annually to reflect contractor risk and anticipated changes in market conditions. The loaded rate shall include all labor burdens, to include but not limited to fringe benefits, holiday, vacation and sick leave, relocation expense, overhead, general and administrative and other applicable expenses, as well as profit. Travel costs, per diem, and other direct costs associated with fulfillment of specific delivery orders shall be excluded from the firm fixed-price labor rate as they will be included in the Other Direct Cost CLIN.

#### 22.4 Overtime & Night Shift Differential

The overtime rate per hour is to be paid, as applicable, for authorized overtime work (as preapproved by the ordering Contracting Officer or otherwise authorized in the the individual task order). Overtime may be payable in instances where work exceeds both an eight hour day and 40 hour week (exceeding both 8 hours/day and 40 hours/week must occur to create entitlement to overtime) for non-salaried personnel, where required by state or local law, corporate policy, collective bargaining agreements, etc . The overtime rates are to be fully loaded fixed hourly overtime rates (including profit). The rates do not include prices for travel, material, facilities, subcontracted effort or other direct costs that would be unique other direct costs associated with the individual task order. A labor rate will apply for the entire contract year.

The night shift differential percentage adjustment is to be applied to the normal hourly rate, where night shift differential pay is required. Payment of night shift differential will be consistent with the contractor's corporate policy as described in the contract. Night Shift work requiring differential pay and overtime shall not be worked unless specifically approved by the ordering contracting officer on a-case-by-case basis or as otherwise pre-approved in the task order.

22.5. Uncompensated Overtime: Use of uncompensated overtime is not encouraged.  
Reference DFARS 237.170-2.

22.6. Holidays: Work may be required on Federal Holidays, as set forth in the terms and conditions of any specific delivery/task order; where required, alternate days off coupled with supplemental contractor staffing may be necessary to provide continuity of services to the Government end user. The normal labor rate will apply for holiday work.

22.7. Security Clearance Requirements. Labor rates shall reflect support work requiring security clearance up to the Top Secret Level. Approximately five percent of the task orders issued for engineering and support services are projected to require contractor personnel to have a security clearance at the Secret Level. Requirements for Top Secret and Sensitive Compartmented Information (SCI) are much less.

22.8 Task Orders Crossing Fiscal Years. Where task orders are placed that cross fiscal years, rates applicable to the period of time in which the order is placed (rather than the period of time in which the work is performed) shall be used in the task order.

**23. Required Pricing Strategy** includes the use of one flat unit price (level price) to be proposed for the base year and each subsequent option year price (e.g., \$100 for the base year, as well as \$100 for each option year). This flat pricing strategy applies to all CLINS, with the exception of the engineering and support service labor CLINS, the ODC CLIN, and lease CLINS. Pricing strategy for the CLINs excepted is detailed elsewhere in this addendum.

For equipment requirements, this flat pricing strategy facilitates technology substitutions over the contract life up to a specific 'ceiling price' that governs how much the Government is willing to pay for the specified technology over the contract life. At the same time, this strategy will enable specific CLIN pricing for product substitutions to be: proposed by ECP at a price below the CLIN 'ceiling price', or proposed up to the CLIN 'ceiling price'. The 'ceiling price' shall be that pricing established in the awarded contract for each CLIN.

**24. Other Direct Costs.** Generally, direct materials and other direct costs can be identified specifically with a particular task order and often include among others: storage, task specific tooling, packaging, travel and subsistence, and expenses specific to the work to be delivered under the task order. Direct materials and ODCs shall be charged in accordance with the Contractor's disclosed accounting practices, CAS, and consistent with the task order contract type negotiated. ODCs with applicable indirect costs shall not exceed \$50,000, or 10% of the task/delivery order, whichever is greater. In addition, the ODC restriction outlined in this paragraph supplements the description at CLIN 0030. The ODC restriction does not apply to Foreign Military Sales (FMS) and Lease Purchases. (Revised by P00001)

24.1 Travel. Short term travel expenses shall be separately reimbursed at cost adjusted for any applicable G&A expenses, and exclusive of profit. Air travel shall be proposed and

reimbursed at cost not in excess of the best available coach rates (unless otherwise approved by the Ordering Contracting Officer). For other means of travel, the contractor shall obtain the most advantageous prices available with due regard to satisfying the delivery/task order requirement and principles set forth at FAR 31.205-46. Contractor privately owned vehicle reimbursement will be made at the current mileage rate established in the JTR . However, reimbursement shall not exceed the rates then authorized for Government personnel in accordance with the Federal / Joint Travel Regulations or other applicable regulations. Travel expenses shall be reimbursed when completed. Any general and administrative expense rate applicable for each contract year shall be identified with the proposed ODC CLIN by contract year. No profit may be applied to travel costs or general and administrative expense applied thereto. Travel expenses shall be broken out separately under SLIN 0030AC. (Revised by P00001)

24.2 Lodging, Per diem, and incidental expenses shall be proposed and reimbursed at cost not in excess of the applicable Federal Travel Regulation (FTR), Joint Travel Regulation, Volume 2 (JTR), and Standardized Regulations rates, current at the time the work is performed (see FAR 31.205-46). No profit may be applied to these costs or general and administrative expense applied thereto.

24.3 Material. On time and material task orders, the cost for materials required for performance of Delivery Orders shall be at the contractor's actual cost plus general and administrative/material handling expense, as applicable. On time and material task orders, no profit may be applied to materials or general and administrative/material expense proposed as part of the ODC CLIN.

24.4 On time and material task orders Subcontract Effort and Purchased Services not contained in the loaded labor rate CLINS may be proposed as part of the ODC CLIN, along with any applicable general and administrative expense as required to fulfill requirements ordered on a delivery/task order basis. The cost of subcontracts and purchased services shall be reimbursed at cost and cost will be negotiated with the ordering contracting officer. No profit may be applied to these costs or general and administrative expense applied thereto.

24.5 General and administrative expense / material handling rate. On time and material task orders, no profit may be applied to the general and administrative expense rate. This identified rate will be applied to other direct cost elements ordered on a time and material task orders, where applicable. The G&A rates established in the resulting contract shall be fixed for each Government Fiscal Year, shall not exceed 15%, and are to be utilized over the life of the contract; subsequent to award rate audit / adjustment is not planned.

In developing a time and material (T&M) task order proposal, the contractor will submit an estimate of the cost of the ODCs and an amount for G&A computed by applying the rate to each

of the estimated costs to which the proposed fixed G&A rate is applicable. The contractor will be compensated for the actual ODC costs plus the G&A amount calculated based upon the estimate.

The General and administrative expense/material handling rate established on contract is not applicable to fixed price task orders.

## **25. Catalog Pricing:**

25.1 The offeror shall identify catalogs by name/publication number/other descriptive nomenclature, and provide catalog EXCERPTS with their price proposal of the commercial catalog(s) to be used in support of the CLIN requirements set forth in the Specification (excerpts shall be annotated to identify the product offering, the list price and discount from the contract applicable to the catalog). Catalog offerings shall be updated over the life of the contract as new catalogs are published and made available to the public for ordering.

25.2 A single discount percentage should be proposed for any specific catalog (or separable part thereof) offered

25.3 Proposed catalog pricing, as discounted, shall not exceed the lowest available GSA Federal Supply Schedule Price.

25.4 Only one catalog (or separable portions of the catalog) may be proposed for any given catalog CLIN.

25.5 Following award, the contractor shall apply the discount percentage(s) to catalog pricing for all purchases made under the particular catalog CLIN, for the proposed catalog and all subsequent publications of that catalog.

25.6 GSA Schedules providing the required items and similar product lines may be offered as a commercial catalog. Terms and conditions of the IS-1 contract shall apply to orders for items listed in the catalog or schedule.

25.7 Commencing with notice to proceed, and throughout the contract life, the awardee shall develop and maintain an ordering guide that lists the items from each catalog that will be available on the web site to users for ordering under each of the catalog CLINs. The contents of the ordering guide, and all revisions thereto over the life of the contract shall be subject to PM SCP and PCO approval.

25.8 Catalog items will be purchased by delivery order. The catalog CLIN on the delivery order shall list the “1 lot” discounted amount for the catalog items ordered; in the description column the following minimum information will be listed: catalog number, item quantity, unit price and extended amount, discount applied, and the discounted grand total (which should match the “1 lot” amount).

**26. Contractor Spot Pricing.**

The contractor shall not be required to pass on to contract customers a price reduction. However, there may be circumstances where an ordering activity finds it advantageous to request a price reduction, such as where the ordering activity finds that a contract product is available elsewhere at a lower price, or where the quantity of an individual order clearly indicates the potential for obtaining a reduced price. Under these circumstances contract customers are encouraged to request a price reduction from the Contractor. Any and all agreements to reduce pricing under this provision shall be subject to all other provisions set forth in this contract. Contract provisions may not be waived nor additional products (not specified in Section B) be sold as part of the price reduction agreement.

**27. Warranty.** The Contractor will furnish all maintenance (labor and parts) from the time of final delivery to destination through the end of the warranty period at no cost to the Government. All warranties shall be not separately priced (NSP).

**28. Incurring Costs:** The Government is not liable for any costs incurred by the offerors in submitting proposals in response to this solicitation, unless otherwise authorized by the terms and conditions of the solicitation.

The Government is not liable for any costs incurred by the contractor in submitting proposals for rough order of magnitude/ estimates/ statements of work / delivery order(s) or task order(s) subsequent to contract award.

Contractor provision of pricing information (to include development of lease schedules) in response to delivery and task order requirements is to be provided to the end user under the scope of this contract without separate charge. Additionally, Contractor proposal preparation costs for development of Price Proposals and Proposed Statements of Work shall also be provided at no additional cost to the end user unless otherwise agreed and funded in advance by the Ordering Contracting Officer.

**29. Contractor Certification of Requirements:** In the event that the offered products or services fail to meet any requirements of the solicitation and resultant contract, the Contractor

shall, at no additional cost to the Government, make any changes necessary to the products or services, whether listed in Part B or delivered, to comply with the contract requirements.

**30. Ordering Minimum and Maximum established for IS-1 Contract:**

- a. The guaranteed minimum ordering total for equipment and service orders placed by the Government during the base period of IS-1 is \$100,000.
- b. The maximum ordering total for equipment and service orders to be placed by the Government under the IS-1 contract over the life of the contract is \$380,000,000.

**31. Firm Fixed Price Task Order CLIN (CLIN 1029):** This CLIN has been established for issuing firm fixed-price task orders for requirements that include but are not limited to additional lease equipment needed to complete a leased solution, to provide an ordering and payment vehicle for negotiated technology refreshments of leased solutions, and other FFP arrangements negotiated within the scope of this contract. Payment shall be made in accordance with the negotiated agreement specified in the task order, and may include 1 lot amounts, monthly, or other FFP arrangements. Each order containing CLIN 1029 shall be SubCLINed, as appropriate, to identify the specific deliverables required under the firm fixed price task order and shall be priced on a per unit basis. Firm Fixed Price Task Order deliverables shall only be added to an order after the Ordering Contracting Officer has performed a price analysis to determine that the prices are fair and reasonable.

**32. Adjustments (Debit/Credit) CLIN:** This CLIN has been established for order adjustments that are necessary both when placing delivery and task orders and when preparing invoices. The Contractor may unilaterally apply the adjustment CLIN ONLY for credits on the applicable delivery or task order (e.g. for quantity or negotiated price discounts, special offerings, where full units of labor were not worked, etc.). This CLIN provides a mechanism for customers to receive credit for mutually agreed products or service discounts as needed to adjust the final order price for each delivery order, to account for equitable adjustments for late delivery, deobligate funds from an order for final close out, etc. Use of the CLIN for debits allows customers to receive a debit for products or services added to configurations following order adjustments (beyond the basic contract terms and as mutually agreed).

**33. Leasing Rates:** The current Treasury Constant Maturities rate used as a basis for lease pricing during the contract performance period shall be derived from the following Federal Reserve Board website: [www.bog.frb.fed.us/releases/h15/current](http://www.bog.frb.fed.us/releases/h15/current). Listed rates for 1 year, 2 year, and 3 year U.S. Government Securities Treasury Constant Maturities rates shall apply to 1, 2 and 3 year lease arrangements, respectively. The 1 year rate applied to the base year shall also be applied to the option year on 12+12 lease types.

All leases under the contract shall otherwise comply with the lease price strategy identified in Part B Addenda and Part E-1 Instructions to Offerors, as revised by Amendment 0005.

### **STRAIGHT LEASE AND LEASE WITH OPTION TO PURCHASE (LWOP) AGREEMENTS**

Table 7-1 presents the differential and lease factors for 1-, 2-, and 3-year straight leases and the option to extend a 1-year lease to 2 years. The lease factor is applied to the purchase price of the leased products to compute the monthly lease payment.

Table 7-2 presents the differential and lease factors for 1-, 2-, and 3-year Lease with Option to Purchase (LWOP). The purchase option at the end of the lease is shown in Table 7-3. Additional purchase option rate data is provided in Tables 6. The lease factor is applied to the purchase price of the leased products to compute the monthly lease payment.

***Notes related to leasing:***

- 1) An encumbered title shall pass to the Government with the beginning of any lease term. If the Government should terminate any lease agreement without completing the requirements for unencumbered ownership (completing the selected lease term and/or paying the specific option-to-purchase price), then the title shall revert fully back to the contractor.
- 2) Software is not available in a stand alone mode for leasing. However, software may be leased as part of a leased system. The lease term for software may be different than that of leased hardware.
- 3) The lease factor for the option to extend a 1 year lease to 2 years is a fixed rate and not tied to any floating rate, such as the T-bills. The factor is constant throughout the contract period.
- 4) The evaluation lease factors are computed by adding the differential to the applicable 1-, 2-, or 3-year Treasury constant maturity rate. The Evaluation Lease Factors were computed using a 5% basis, as instructed by the Government.

<b>TABLE 7-1: LEASE RATES FOR STRAIGHT LEASES</b>				
	<b>1 Year</b>	<b>Option to extend 1-yr to 2-yr</b>	<b>2 Year</b>	<b>3 year</b>
<b>Differential (percentage above/below published Treasury rate)</b>				
Servers (x001xx - x004xx)	-32.17818	-250.81697	-7.66463	0.18716
Managed PC's (x010xx)	-32.17818	-250.81697	-7.66463	0.18716



Software (x005xx and x012xx – x020xx)	11.749679	-484.423046	6.998989	5.499059
All Other Items	-32.17818	-250.81697	-7.66463	0.18716
<b>Evaluation Lease Factor using 5% Basis (Applied to Full Purchase Price)</b>				
Servers (x001xx – x004xx)	0.071580	0.013980	0.040520	0.030055
Managed PC's (x010xx)	0.071580	0.013980	0.040520	0.030055
Software (x005xx and x012xx – x020xx)	0.091096	0.000880	0.047073	0.032502
All Other Items	0.071580	0.013980	0.040520	0.030055

**TABLE 7-2: LEASE RATES FOR LEASE WITH OPTION TO PURCHASE (LWOP)**

	<b>1 Year</b>	<b>2 Year</b>	<b>3 year</b>
<b>Differential (percentage above/below published Treasury rate)</b>			
Servers (x001xx - x004xx)	-32.093521	-7.577923	0.284948
Managed PC's (x010xx)	-32.093521	-7.577923	0.284948
Software (x005xx and x012xx – x020xx)	11.749679	6.998989	5.499059
All Other Items	-32.093521	-7.577923	0.284948
<b>Evaluation Lease Factor using 5% Basis (Applied to Full Purchase Price)</b>			
Servers (x001xx – x004xx)	0.071615	0.040557	0.030099
Managed PC's (x010xx)	0.071615	0.040557	0.030099
Software (x005xx and x012xx – x020xx)	0.091086	0.047043	0.032502
All Other Items	0.071615	0.040557	0.030099

**TABLE 7-3: PURCHASE OPTION AT END OF LWOP (PERCENTAGE OF ORIGINAL PURCHASE PRICE)**

	<b>1 Year</b>	<b>2 Year</b>	<b>3 year</b>
Servers (x001xx - x004xx)	21.8859	18.7927	16.7441
Managed PC's (x010xx)	21.8859	18.7927	16.7441
Software (x005xx and x012xx – x020xx)	0.6479	5.7109	10.0972
All Other Items	21.8859	18.7927	16.7441

**LWOP CALCULATIONS FOR 12, 24, AND 36 MONTH PURCHASE OPTIONS**

Equipment leased under an LWOP lease may be purchased during the term of the lease by invoking the purchase option. Tables 6-1, 6-2, and 6-3 identify the purchase option percentages applicable throughout the term of the lease.

To compute the purchase option price:

1. Determine how many lease payments have been made.
2. Using the table for the correct lease duration (12, 24, or 36 months), look up the purchase option percentage applicable.
3. Multiply the original purchase price by the purchase option percentage to determine the purchase option price.

For example, if \$10,000 of equipment is leased on a 24-month LWOP for hardware and the customer decided to purchase the equipment after making 16 lease payment, the applicable purchase option percentage would be 42.6872%. The resulting purchase option price is \$4,269.

To compute the purchase option credit, subtract the purchase option percentage from 100. In the above example, the purchase option credit is 57.3128% (100 – 42.6872) of \$10,000, or \$5,731.

<b>TABLE 6-1A: CALCULATION FOR 12-MONTH LWOP LEASE PURCHASE OPTION -- HARDWARE</b>			
<i>Purchase Option prior to end of lease (percent of purchase price)</i>			
After Lease Payment	Purchase Option %	After Lease Payment	Purchase Option %
1	92.9443	7	52.7469
2	85.9929	8	46.3895
3	79.1443	9	40.1262
4	72.3968	10	33.9553
5	65.7491	11	27.8757
6	59.1996	12	21.8859

<b>TABLE 6-1B: CALCULATION FOR 12-MONTH LWOP LEASE PURCHASE OPTION -- SOFTWARE</b>			
<i>Purchase Option prior to end of lease (percent of purchase price)</i>			
After Lease Payment	Purchase Option %	After Lease Payment	Purchase Option %
1	91.0260	7	39.8995
2	82.1846	8	31.8137
3	73.4739	9	23.8474
4	64.8920	10	15.9988
5	56.4368	11	8.2662
6	48.1066	12	0.6479

**TABLE 6-2A: CALCULATION FOR 24-MONTH LWOP LEASE  
PURCHASE OPTION -- HARDWARE**

<i>Purchase Option prior to end of lease (percent of purchase price)</i>			
After Lease Payment	Purchase Option %	After Lease Payment	Purchase Option %
1	96.0042	13	52.4204
2	92.0675	14	49.1278
3	88.1890	15	45.8838
4	84.3678	16	42.6878
5	80.6030	17	39.5390
6	76.8939	18	36.4368
7	73.2396	19	33.3804
8	69.6393	20	30.3692
9	66.0922	21	27.4024
10	62.5976	22	24.4795
11	59.1546	23	21.5998
12	55.7624	24	18.7627

**TABLE 6-2B: CALCULATION FOR 24-MONTH LWOP LEASE  
PURCHASE OPTION -- SOFTWARE**

<i>Purchase Option prior to end of lease (percent of purchase price)</i>			
After Lease Payment	Purchase Option %	After Lease Payment	Purchase Option %
1	95.3623	13	44.7762
2	90.7931	14	40.9545
3	86.2914	15	37.1894
4	81.8563	16	33.4799
5	77.4867	17	29.8252
6	73.1816	18	26.2246
7	68.9402	19	22.6771
8	64.7615	20	19.1821
9	60.6445	21	15.7387
10	56.5884	22	12.3462
11	52.5922	23	9.0038
12	48.6551	24	5.7109

**TABLE 6-3A: CALCULATION FOR 36-MONTH LWOP LEASE  
PURCHASE OPTION -- HARDWARE**

<i>Purchase Option prior to end of lease (percent of purchase price)</i>			
After Lease Payment	Purchase Option %	After Lease Payment	Purchase Option %
1	97.0346	19	50.5589
2	94.1130	20	48.3241
3	91.2346	21	46.1224
4	88.3987	22	43.9532
5	85.6047	23	41.8160
6	82.8520	24	39.7105
7	80.1400	25	37.6360
8	77.4681	26	35.5923
9	74.8357	27	33.5787
10	72.2421	28	31.5949
11	69.6869	29	29.6404
12	67.1695	30	27.7147
13	64.6893	31	25.8176
14	62.2457	32	23.9484
15	59.8382	33	22.1069
16	57.4663	34	20.2926
17	55.1295	35	18.5052
18	52.8272	36	16.7441

**TABLE 6-3B: CALCULATION FOR 36-MONTH LWOP LEASE  
PURCHASE OPTION -- SOFTWARE**

<i>Purchase Option prior to end of lease (percent of purchase price)</i>			
After Lease Payment	Purchase Option %	After Lease Payment	Purchase Option %
1	96.7978	19	46.6117
2	93.6430	20	44.1985
3	90.5348	21	41.8210
4	84.4725	22	39.4783
5	84.4554	23	37.1708
6	81.4830	24	34.8972
7	78.5545	25	32.6571
8	75.6692	26	30.4502
9	72.8266	27	28.2758
10	70.0261	28	26.1336
11	67.2669	29	24.0231
12	64.5484	30	21.9437
13	61.8702	31	19.8951
14	59.2315	32	17.8767
15	56.6318	33	15.8882
16	54.0706	34	13.9291

**TABLE 6-3B: CALCULATION FOR 36-MONTH LWOP LEASE  
PURCHASE OPTION -- SOFTWARE**

17	51.5472	35	11.9989
18	49.0610	36	10.0972

**34. Orders placed against this contract will include a Point of Contact (POC) or COR and the POC's or COR's phone number and / or e-main address. (Added by P00001)**

**35. Purchase of Managed Personal Computers (PCs) under this contract is contingent upon proof of purchase of a system server under this contract or proof of purchase of a system server under the SMC II contract. The following identifies system servers from the SMC-II contract considered to be interfaces for the IS -1 managed PCs.**

**HP LD ProHP LH Pro**

**HP LX Pro**

**HP LC-2**

**HP LC-3**

**HP LH-3**

**SF 1449, Block 29, Award of contract**

a. The following documents are hereby incorporated by reference and made part of this contract:

**Telos Offer**

Volume I: Tab 3, dated 17 August 1998; Tabs 4a and 4b, as revised 30 September 1998

Volume III: Tab 3, as revised 30 September 1998 and 05 October 1998

Volume IV: Tab 5, as revised 05 October 1998

Volume V: Tab 6, dated 17 August 1998

**Amendments to Solicitation DAAB07-98-R-V003**

Amendment 0001 dated 14 July 1998

Amendment 0002 dated 29 July 1998

Amendment 0003 dated 07 August 1998

Amendment 0004 dated 11 August 1998

Amendment 0005 dated 25 September 1998

**Other**

Part E-1 as revised by Amendments 0001 through 0005

Part E-3 as revised by Amendments 0001 through 0003  
Part E-4 as revised and submitted by Telos on 05 October 1998

b. Term of Contract; See also Part C, FAR 52.216-18

Base Period: 16 November 1998 through 30 September 1999

Option 1: 01 October 1999 through 30 September 2000

Option 2: 01 October 2000 through 30 September 2001

Option 3: 01 October 2001 through 30 September 2002

Option 4: 01 October 2002 through 30 September 2003

Option 5: 01 October 2003 through 15 November 2003

c. Security Clearances

Security clearances shall be obtained for first and second tier subcontractors prior to performance of classified work. The contractor shall identify the subcontractor, the respective cage code, and responsible Defense Investigative Service (DIS) office for inclusion on the DD Form 254.

### **CONTRACT ADMINISTRATION DATA**

1. CECOM Acquisition Center – Washington Point of Contact. The following CECOM Acquisition Center-Washington point-of-contact has been established to assist Department of Army Activities in executing and administering the contract. All requests for interpretation and assistance should be referred to:

CECOM Acquisition Center - Washington  
ATTN: AMSEL-AC-WA-B (Mr. Daoulas)  
Hoffman Bldg. No. 1, Rm. 272  
2461 Eisenhower Avenue  
Alexandria, VA 22331-0700

Telephone: Commercial (703) 325-3348  
DSN: 221-3348

2. Contract Management. Notwithstanding the Contractor's responsibility for management during the performance of this contract, the administration of the contract will require maximum coordination between the Government and the Contractor. The following individuals will be the Government points of contact during performance of the contract:

2.1 Contracting Officer's Representative. The Contracting Officer's Representative (COR) for this contract is: (Revised by P00001)

Ms. Adelia Wardle  
Systems Management Center  
ATTN: AMSEL-DSA-SCP, Bldg 283  
Small Computer Program  
Fort Monmouth, New Jersey 07703-5605

Telephone Numbers: Commercial (732) 427-6793  
DSN: 987-6793

A letter of designation will be issued to the COR, with a copy supplied to the Contractor, stating the responsibilities and limitations of the COR. The COR may not issue direction to the Contractor, which would result in a modification to the scope of work; changes in cost or price totals or estimates; changes in delivery dates; changes in any other mutually agreed upon term or provision of the contract. (Revised by P00001)

## 2.2 Contracting Officer.

All contract administration will be effected by the Contracting Officer, address as shown on face page of this contract. Communications pertaining to contractual administration matters will be addressed to the Contracting Officer.

2.3 Contracting Officer's Authority. The Contracting Officer is the only person authorized to approve changes to any of the requirements under this contract, and notwithstanding any provision contained elsewhere in this contract, said authority remains solely with the Contracting Officer. In the event the contractor effects any change at the direction of any person other than the Contracting Officer, the change will be considered to have been without authority and no adjustment will be made in the contract price to cover any increase in charges incurred as a result thereof. The address of the Contracting Officer is as follows:

CECOM Acquisition Center - Washington  
ATTN: AMSEL-AC-WA-B (Mary O'Hara)  
Hoffman Bldg No. 1, Rm 272  
2461 Eisenhower Avenue  
Alexandria, VA 22331-0700  
Telephone: Commercial (703) 325-3343      DSN: 221-3343

## 3. Certification of Invoice.

### 3.1 Supplies

3.1.1 Accounting and Appropriation Data for this contract will be set forth within each Delivery Order.

3.1.2 In accordance with DFARS 242.205 orders administered by DCMAC, will have payment made by the DFAS Columbus Center\Chesapeake, P.O. Box 182264, Columbus, OH 43218-2264, if funded with DOD funds. U.S. Corps of Engineers, NAF, non-DoD agencies are the only orders exempt from DFAS Columbus Center\Chesapeake payment.

3.1.3 Invoices will be completed in accordance with FAR 52.232-25, Prompt Payment, and submitted in quadruplicate. Attention is directed to this clause which outlines the procedure for payment and computation of prompt payment interest.



3.1.4 Payment will be made by the appropriate payment office annotated on the face page of the delivery order. No invoices will be processed by the payment office without an identification of the applicable delivery order's unique control number. The payment office will provide a copy of the paid voucher to the ordering office once payment has been made.

## 3.2 Services

3.2.1 Accounting and Appropriation Data for this contract will be set forth within each Delivery Order.

3.2.2 Payment will be made by the Payment Office listed on the delivery order.

3.2.3 Although payment will be made by the appropriate Payment Office, for service task orders all invoices must first be submitted to the Delivery Order COR who will be the certifying Officer. Once certified, the invoices and corresponding DD Forms 250, Material Inspection and Receiving Reports (both forms prepared by the Contractor), will be forwarded to the appropriate paying office. The COR certification of acceptance is an integral part of the correct invoice or voucher. No service task order payment shall be made under this contract on delivered services without formal acceptance by the COR acknowledging such acceptance by their signature on the face of the above referenced DD Form 250.

Supplies ordered hereunder shall be inspected and accepted at origin (unless otherwise specified on the the delivery order) via contractor prepared DD Form 250, Material Inspection and Receiving Report, by the Contractor's Cognizant Defense Contract Management Area Quality Assurance Representative (QAR). This DD Form 250 if for payment purposes only.

## 4. Receiving Reports.

4.1 Upon certification, the DCMAC Representative/ Delivery Order COR will forward the invoices and DD Form 250, Material Inspection and Receiving Report, to the appropriate Payment Office. The Receiving report will include:

4.1.1 Contract or other authorization number;

4.1.2 Product or service description;

4.1.3 Quantities received, if applicable;

4.1.4 Date(s) property or services accepted;

4.1.5 Signature, printed name, title, phone number, and mailing address of the receiving official.

4.2 A copy of the certified DD 250s for receipt of goods and acceptance of services shall be forwarded to the CAO and ordering office.

4.3 Subsequent to successful completion of a task/delivery order and submission of the final invoice, the ACO is authorized to deobligate expiring funds, provided that the Ordering Contracting Officer's approval has been received. (Added by P00001).

## 5. Submission of Standard Forms 294/295

The Contractors attention is directed to FAR 52.219-9 of the contract, entitled "Small Business and Small Disadvantaged Business Subcontracting Plan" which requires the submission of Standard Form (SF) 294, Subcontracting Report for Individual Contracts, and/or SF 295, Summary Subcontract Report, in accordance with the instructions contained on the forms. The copy which is to be submitted to the administering contracting office should be submitted to the following address:

CECOM Acquisition Center - Washington  
ATTN: AMSEL-AC-WP (MR. STAN DAISE)  
HOFFMAN I, ROOM 954  
2461 EISENHOWER AVENUE  
ALEXANDRIA, VA 22331-0700

## 6. Delivery Order Management

### 6.1 Delivery Order Distribution

Activities issuing Delivery Orders shall mail 7 copies to the POC, Status of Orders, listed below for distribution to the Contractor (1 copy), the Paying Office (1 copy), and the cognizant DCMAO office (2 copies); all other distribution is to be made by the local contracting activity. Orders may not be sent directly to the contractor who will reject an order unless it contains a service unique tracking/identification number which is assigned by each service at their centralized order processing office upon receipt of the executed Delivery Orders.

#### 6.1.1 Army

POC Status of Orders: Systems Management Center  
Product Manager Small Computer Program  
ATTN: AMSEL-DSA-SCP, Bldg 283  
Central Order Processing Office (COPO)  
Ft Monmouth, NJ 07703-5605

Comm: (888) 232-4405

#### 6.1.2. Reserved (Revised by P00001)

### 6.1.3 FEDSIM

POC Status of Orders: FEDSIM

ATTN: IS-1 Contract/Emily Fudge  
5203 Leesburg Pike, Suite 1100  
Falls Church, VA 22041  
Comm: (703) 756-9020

(Revised by P00001)

### 6.1.4 Navy

POC Status of Orders: NCTAMS LANT, Norfolk

ATTN: Franklin Roberson  
9625 Moffett Ave.  
Norfolk, VA 23511-2784  
Comm: (757) 445-2111

(Revised by P00001)

### 6.1.5 DLA

POC Status of Orders: DLA Administrative Support Center

ATTN: DASC-CA (IS-1), Hugh Shropshire  
8725 John J. Kingman Rd, Suite 0119, Rm. 1134  
Ft Belvoir, Va 22060-6220  
Comm: (703) 767-1205

### 6.1.6 DISA

POC Status of Orders: HQ, DISA

ATTN: DISCI (Joy Boteler) (Revised by P00001)  
701 South Courthouse Rd.  
Arlington, VA 22204-2199  
Comm: (703) 607-6253

## 6.2 DD 1155 Preparation (DOD only)

The DD 1155 must be completed in a specific manner for this contract. See D-1, Exhibit 6 of this contract for a sample order rejection letter, to be used as a guide in proper completion of DD Form 1155. In accordance with DFARS 204.7108, Accounting Classification Reference Numbers (ACRNs) must be utilized to identify accounting citations. When ACRNs have not been assigned or are incorrect, the Administrative Contracting Officer (ACO) is authorized to assign and change ACRNs, provided that the Ordering Contracting Officer's approval has been received (Added by P00001). The DD 1155 must contain sufficient detail for the contractor to effect delivery, to including building and/or room number, point of contact, and telephone number, as appropriate.

Each delivery order shall contain a unique tracking number located at the top of the form. The unique service tracking order numbers are listed below.

Army - SM + 5#s  
Navy - AS + 5#s  
Air Force - SSMP+ 4#s  
DISA - DS + 4#s  
DLA - DLA + 4#s  
FEDSIM - FED + 5#s

6.3 Information required to complete DD 350s relative to this contract will be provided subsequent to award.

**6.4 Fee For Service (FFS).** Instructions and Fee for Service (FFS) structure are detailed at 6.4.1 and 6.4.2. An Army FFS charge of 1 percent will be imposed on all orders. PM SCP is the single point of contact for receipt of the Army 1 percent FFS charge that applies to all orders under the contract. The Army FFS of 1 percent remains as the only fee for Army users, and all Army non-electronic orders must be routed through the Army COPO. Within ten Government work days after the end of each calendar month, the contractor will provide to Defense Finance and Accounting Service (DFAS)-Pensacola a check for the amount of 1 percent of payments received from DFAS-Columbus and other local paying offices (includes credit card payments and excludes interest penalties paid by the Government under the Prompt Payment Act as well as any prompt payment discounts taken by the Government) during that month (meaning the month that ended ten Government work days prior). The contractor will also provide PM SCP an Army Fee for Service Reconciliation Report (incorporated into the contract at Part D-1 Exhibit 7) substantiating this amount. "Payments received" refers to the Army Fee for Service Reconciliation Report column "Amount Paid to Vendor." The "Balance Due to Vendor" column on the Army Fee for Service Reconciliation Report excludes interest penalties paid by the Government under the Prompt Payment Act as well as any prompt payment discounts taken by the Government. The report shall include the PM SCP COPO tracking number, contract number, delivery order number, date order sent to the vendor, total dollar amount of the order, amount paid to the vendor, DFAS check number or EFT ID (where applicable), balance due to vendor, amount of fee due for the period and the manner in which the order was placed (i.e. credit card, electronic order or hardcopy). The following procedure will be implemented as of 1 June 2000 for the Reporting Period 1-31 May 2000 and for all subsequent reporting periods:

The 1 percent FFS amount due shall be paid by check made payable to "Treasurer of the United States", and mailed to DFAS-Pensacola at the following address:

Defense Finance and Accounting Service  
Code FD  
Attn: DFAS-PE (FD-SCP)  
130 West Avenue, Suite A  
Pensacola, FL 32508

In order to ensure that the payment is credited properly, the check shall be identified as "SCP Fee Reimbursement" and have the contract on it. In addition, accompanying the check should be a memorandum, sample format provided as Part D-1 Exhibit 8. The line of accounting for your company is **AA 97X4930 AFAC 015 0SX16 068142 3F 000000 923111 UIC: TELOS0 JON: ZTE0010 REF: 923111\*99D0001**. A copy of the memorandum and the check should be sent to:

CECOM-Systems Management Center  
PM SCP  
AMSEL-DSA-SCP (ATTN: Mrs. Cheryl Gregory)  
Fort Monmouth, NJ 07703-5605

6.4.1 Non-Army Centralized Order Processing Offices (COPOs) may charge an additional Fee for Service amount for processing each order. These fees are in addition to the Army 1 percent FFS charge, which is collected by the contractor and reimbursed to the PM SCP for all orders (regardless of the COPO) under the subject contract. The additional FFS charges that have been established are identified below:

Navy	-	2 percent fee
DLA	-	1 percent fee on all orders
FEDSIM	-	Hourly rate varies

Note: These fees, as well as the Army 1 percent Fee For Service, are subject to change at any time throughout the contract life. Funding for the additional FFS charge should be submitted to the appropriate COPOs on the forms indicated in paragraph 6.4.2.

6.4.2 With the exception of the Navy COPO, all COPOs will accept a DD Form 448 Military Interdepartmental Procurement Request (MIPR) for their fee. The Navy will accept form NAVCOMPT 2275 funding documents, but not MIPRs.

#### 6.4.3 RESERVED

7. Government Wide Commercial Credit Card Visa Impact Card. The following describes the procedures to be used for ordering items under this contract by using the Federal Government credit card. This option to order by use of the Government credit card is strictly an optional method of ordering by the Government and may be used in place of ordering by either the DD 1155 or the SF 1449. The Government does reserve the right to unilaterally terminate the use of the credit card at any time.

All ordering offices may use the Federal Government Credit Card (VISA) referred to as "Purchase Card" as an optional method of ordering and paying for purchases made under this contract.

The purchase card is specifically designed for use by the Federal Government. The purchase card is like a typical personal credit card. However, the authorization limitations of the purchase card are more specific, i.e., only for a particular contract, monthly limitations, certain categories of products or services, etc. The Purchase Card will be exclusively used for official Government purchases in accordance with the prices, terms, and conditions of this contract, the simplified acquisition limitation as stated in the Federal Acquisition Regulation (FAR) Part 13 in effect on the date the order is placed and the cardholder's delegation of authority. With respect to ordering authority, any authorized user of this contract who is an appointed, recognized Government credit card holder is allowed to use the credit card as a means of purchasing items on this contract. For credit card orders only, this waives the requirement for submission of a DD 1155. All appointed, recognized Government credit card holders are subject to and responsible for complying with all the rules, regulations, and limits that come with their credit card.

Credit limits for the purchase card are dictated by each of the using activities major commands. These credit limits for the purchase card are the responsibility of the credit card holder and the approving office.

The contractor shall accept firm-fixed-price delivery orders under the contract made by use of an authorized purchase card. The contractor shall bill the cardholder when the order is shipped. The contractor is also responsible for coordinating the QAR process with DCMAO Baltimore.

For credit card orders only, the warranty begins on the day the order is shipped from the factory. In addition, for credit card orders the contractor shall maintain for the life of the warranty all documentation pertaining to the sale, receipt, and delivery to the user. Additionally, when the vendor receives a credit card order, the contractor is required to supply the Minimum Required Fields for Credit Card Orders at Exhibit 4 of the contract. This report is to be provided weekly to PMSCP, Fort Monmouth, New Jersey at the following E-mail address in the required format: AMSEL-DSA-SCP-CR@mail1.MONMOUTH.ARMY.MIL

8. The contractor shall identify all subcontracts expected to be valued at \$1,000,000 or more per year and provide necessary data to the Government for EEO clearance sixty days prior to commencement of the option period. Data to be provided includes the name, address, CAGE Code, telephone number, proposed place of performance (and any corporate affiliate at which work is to be performed), and estimated amount of each subcontract.

## **Infrastructure Support-1**

### **1 Scope.**

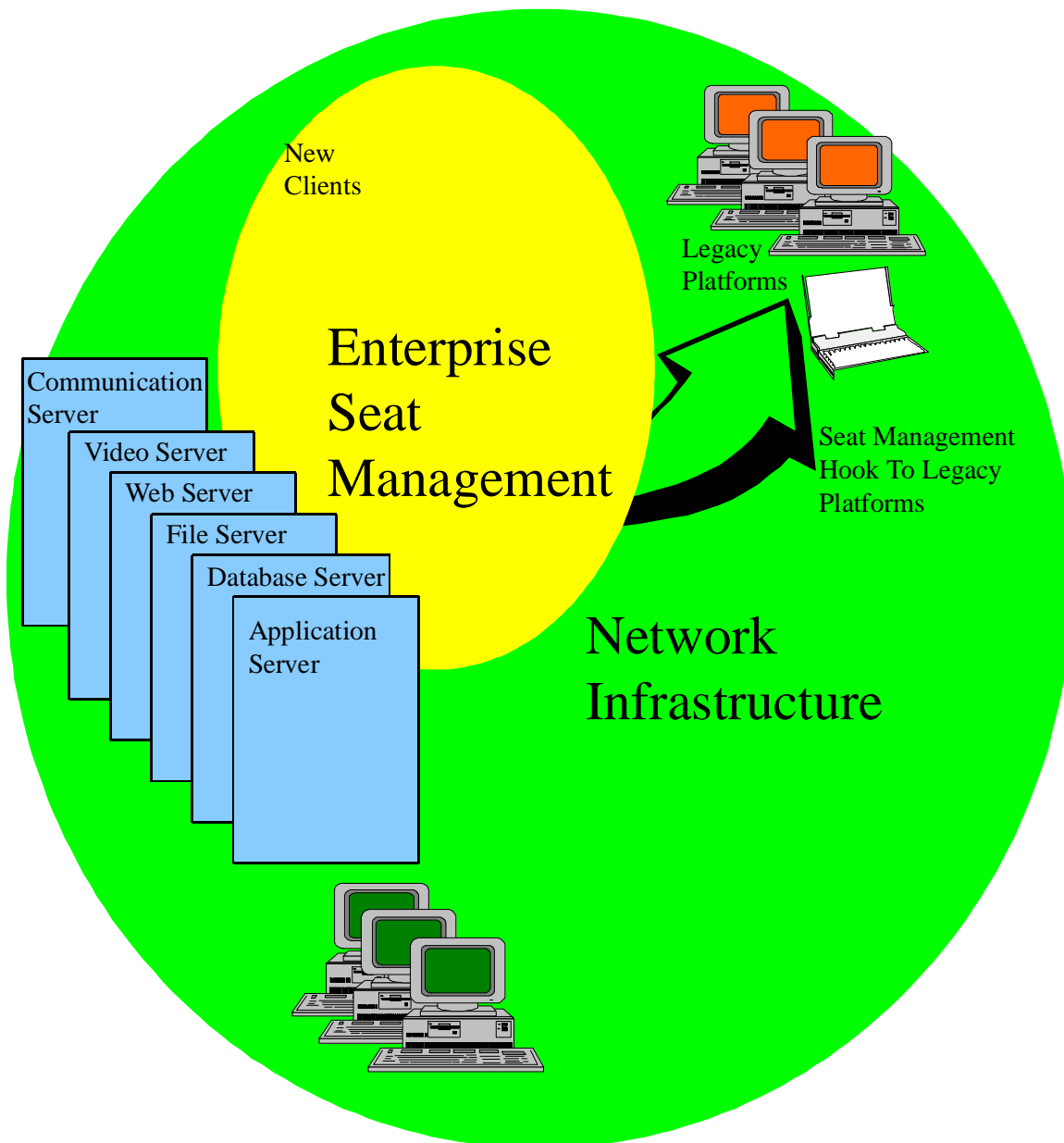
The Infrastructure Architecture Support -1 (IS-1) contract is to provide commercial-off-the-shelf (COTS) servers, managed PCs, operating systems, programming languages, software applications, peripherals, local and wide area networking (hardware & software), local and enterprise management tools, engineering and support services (classified and unclassified), managed environment support and training, equipment maintenance, system upgrades (to maintain the managed environment), training, leasing, associated documentation, and consumables to meet world wide requirements of the Army. Ordering is authorized by the Army, DOD, FEDSIM, and other Federal Agencies, to include Foreign Military Sales customers. The Government seeks to acquire state-of-the-art equipment capable of executing various commercial and Government developed applications; Government applications are compliant with Level 5 of the Defense Information Infrastructure (DII) Common Operating Environment (COE). The servers and their associated equipment/peripherals/ clients will be used in local and wide area networking environments which are compliant with open systems standards such as the Technical Architecture Framework for Information Management (TAFIM), Joint Technical Architecture Army (JTA-A), and DOD Directive 5200.28 Security Requirements for ADP systems. The DOD's current and future networking environment is based on packet, circuit, and cell switched networks with TCP/IP protocol stack. The purpose of this equipment and support services is to integrate, modernize, and refresh the existing sustaining base architecture while providing standardized interfaces. The Government also has a large inventory of various Intel based servers and Personal Computers (PCs) and an extensive number of Windows NT, Windows 95, and MSDOS/Windows based applications and data to which backwards compatibility must be maintained. The ordering period for equipment and services under this contract shall be one base period and five options.

The contract will provide a single vehicle to meet the requirements for equipment and services of those users authorized to order under the contract. Under the contract, the contractor will perform in a fully responsive, complete and flexible manner over the entire contract life in recognition of the dynamic nature of the information technology environment and user requirements. The projected performance of the contract will include changes in user requirements, standards, regulations, the availability of technology, technological developments, and the various commercial alternatives available for purchase, leasing and licensing.

### **1.1 Operational Concepts.**

1.1.1 Operational Environment. The operational environment for this equipment will primarily be an office environment, however the missions of various organizations will require that the equipment be easily disassembled and transportable to field environments. A majority of the applications executed on the proposed equipment shall be commercial applications, however, the

specified equipment must also be able to execute and develop Army unique applications in accordance with the Defense Information Infrastructure (DII) Common Operating Environment (COE).







1.1.2 Managed Environment. A goal of this contract shall be to provide the necessary equipment,

Standard Options	Lease Options
<p><b>System Owned and Managed By Government</b></p> <p>The system is required for long term operations. The existing Government Owned Equipment (GOE) will remain with the Government. System support shall include sensitive/classified information in a managed environment will start with incorporation of directories, education will be incorporated by Government personnel. managed configurations from centralized file server contract shall also provide training to the Government type of environments. A conceptual diagram of the system is required for long term operations.</p>	<p><b>System Leased and Managed By Government</b></p> <ul style="list-style-type: none"> <li>- The system is required for a short period</li> <li>- System may contain sensitive/classified information</li> <li>- System requiring relocation will be coordinated with contractor</li> </ul>
<p><b>System Owned By Government and Managed by Contractor</b></p> <p>The system is required for long term operations.</p>	<p><b>System Leased and Managed By Contractor</b></p> <ul style="list-style-type: none"> <li>- The system is required for a short period</li> <li>- Information being processed is not classified</li> <li>- System requiring relocation will be coordinated with contractor</li> </ul>

1.1.3 Leasing of Equipment. Both a straight lease and three years shall be provided for the special. Additionally, a 12 month straight lease with one site warranty shall be provided throughout the lease period. The leasing warranty shall have the same terms and conditions as purchased items unless stated otherwise. Delivery and processing of returned equipment shall be incorporated into the lease terms. Installation of leased items shall be conducted by Government personnel or through the use of installation services CLIN. Any additional equipment required to satisfy Government unique requirements will either be provided by the Government or be identified in the Firm Fixed Price Task Order CLIN for lease. The price for the Firm Fixed Price Task Order CLIN shall be negotiated with a Government Contracting Officer. The Government shall be given the opportunity to buy out leased items through the Other Direct Cost CLIN at the end of the leasing period or any time during the lease period. ISO 9000 audited, certified, and registered. The prime contractor (if not a manufacturer) shall either be ISO 9000 audited, certified, and registered or propose a migration strategy for migrating to an ISO 9000 quality system. Contractors whose business processes range from design and development, to production, installation and servicing shall be audited, certified, and registered against the ISO 9000 quality system. Contractors whose business processes include design and development and focuses on production, installation and servicing shall be audited, certified, and registered against the ISO 9000 quality system. ISO auditing, certification, and registration shall be performed by an independent organization. All costs associated with auditing and maintaining of certification/registration shall be the responsibility of the contractor. Compliance with ISO 9000 requirements must be kept current throughout the life of the contract. Migration to the ISO 9000 standards by the prime contractor (if not a manufacturer) shall be completed no later than twelve months after contract award.

**1.2 General Contract Requirements.**

**1.2.1 Contractor Qualifications.** The manufacturers of servers, managed PCs and networking hardware (e.g., hubs, routers, switches) shall be International Standards Organization (ISO) 9000 audited, certified, and registered. The prime contractor (if not a manufacturer) shall either be ISO 9000 audited, certified, and registered or propose a migration strategy for migrating to an ISO 9000 quality system. Contractors whose business processes range from design and development, to production, installation and servicing shall be audited, certified, and registered against the ISO 9000 quality system. Contractors whose business processes include design and development and focuses on production, installation and servicing shall be audited, certified, and registered against the ISO 9000 quality system. ISO auditing, certification, and registration shall be performed by an independent organization. All costs associated with auditing and maintaining of certification/registration shall be the responsibility of the contractor. Compliance with ISO 9000 requirements must be kept current throughout the life of the contract. Migration to the ISO 9000 standards by the prime contractor (if not a manufacturer) shall be completed no later than twelve months after contract award.

**1.2.2 Operational Options.** Requirements of the contract provide several methods for acquiring equipment and services. To assist the contractor in understanding the circumstances under which the Government may acquire equipment and services, a basic matrix of criteria (Table 1) is provided. The criteria in Table 1 are intended only as guidelines. Government implementations may deviate from those criteria.

ISO auditing, certification, and registration shall be performed by an independent organization. All costs associated with auditing and maintaining of certification/registration shall be the responsibility of the contractor. Compliance with ISO 9000 requirements must be kept current throughout the life of the contract. Migration to the ISO 9000 standards by the prime contractor (if not a manufacturer) shall be completed no later than twelve months after contract award.

Additionally specified servers (Section 2) and managed PCs are preferred to be manufactured by companies listed as Enterprise tier/Middle tier Desktop Vendors in the Gartner

Group Desktop Vendor tiering model (servers and managed PCs do not have to come from a single manufacturer). The Government realizes that Gartner Group Desktop Vendor tiering model pertains only to personal computers, however, these same manufacturers reflect the same qualities the Government desires to obtain.

The purpose of requiring ISO certified and Gartner Group listed companies is to provide the Government assurances that the specified items come from companies that are financially healthy and viable, with products of high quality, reliability, and broad commercial customer support in the market.

1.2.2 Year 2000 Compliance. All products provided on this contract shall be compliant with the CECOM Year 2000 policy (see Part C paragraphs C.5 and C.6). The contractor shall ensure products provided under this contract, to include hardware, software, firmware, and middleware, whether acting alone or combined as a system, are Year 2000 compliant as defined in FAR Part 39.

1.2.3 EPA Energy Star. All items identified under the EPA energy star program (personal computers, monitors, and printers) shall be compliant with the program's stated power consumption while in low power state.

1.2.4 Operational Systems. The contractor shall provide all necessary hardware, connectors, software drivers, documentation, and all other items required to make each proposed product fully operational with the specified operating systems.

### **1.3 Applicable Documents and Referenced Organizations.**

- 1.3.1 Desktop Management Task Force (DMTF)  
<http://www.dmtf.org>  
Desktop Management Interface Specification, Version 2.0  
DMI Compliance Guidelines, Version 1.0  
<http://www.dmtf.org/tech/specs.html>
- 1.3.2 Advanced Configuration and Power Interface Specification, Version 1.0  
<http://www.teleport.com/~acpi/>
- 1.3.3 El Torito—Bootable CD-ROM Format Specification, Version 1.0  
Compaq, Intel, Phoenix BIOS Boot Specification, Version 1.01  
<http://www.ptltd.com/techs/specs.html>
- 1.3.4 Fiber Channel Association  
<http://www.fibrechannel.com>
- 1.3.5 I<sub>2</sub>O (Intelligent I/O) Architecture Specification, Version 1.5  
<http://www.intel.com/design/iio/i2osig.htm>  
<http://www.i2osig.org> (special interest group)
- 1.3.6 Network PC System Design Guidelines, Version 1.0b  
<http://www.microsoft.com/hwdev/netpc.htm>
- 1.3.7 PCI Local Bus Specification, Revision 2.1 (PCI 2.1)  
<http://www.pcisig.com>
- 1.3.8 Plug and Play specifications  
<http://www.microsoft.com/hwdev/specs/>
- 1.3.9 Universal Serial Bus Version 1.0  
Universal Serial Bus PC Legacy Compatibility Specification, Version 0.9  
Universal Serial Bus (USB) device class specifications  
<http://www.usb.org>  
<http://www.teleport.com/~usb/docs.htm>
- 1.3.10 1997 Version of National ISDN Basic Rate Interface Terminal Equipment Generic Guidelines, Document Number SR-3888  
<http://www.bellcore.com>

- 1.3.11 ATM User-Network Interface Specification, Version 3.1  
Prentice Hall, 1995; ISBN 0-13-393828-X  
<http://www.atmforum.com>
- 1.3.12 International Electrotechnical Commission (IEC) standards  
<http://www.iec.ch/>
- 1.3.13 Federal Communications Commission (FCC) rules and Regulations  
<http://www.fcc.gov/oet/info/rules/>
- 1.3.14 Joint Technical Architecture– Army (version 5.0).  
<http://www.hqda.army.mil/techarch/jtaa50/jtaa50.htm>
- 1.3.15 Technical Architecture Framework for Information Management (TAFIM).  
<http://www-library.itsi.dsa.mil/tafim.html>
- 1.3.16 NIST POSIX List (151-2 reg)  
<http://nemo.ncsl.nist.gov/posix>
- 1.3.17 Ziff-Davis Benchmark home page.  
<http://www.zdnet.com/zdbop/zdbop2.html>
- 1.3.18 Intel Wired for Management version 2.0  
<http://developer.intel.com/ial/wfm/design/index.htm>
- 1.3.19 Defense Information Infrastructure– Common Operating Environment  
<http://spider.osfl.disa.mil/dii/index.html>  
DII-COE Baseline Specifications Version 3.1  
<http://spider.osfl.disa.mil/cm/baseline/basln31/basln.pdf>  
DII-COE Compliance Checklist (Appendix B)  
<http://spider.osfl.disa.mil/cm/irts4/appendx.pdf>  
DII COE Integration and Runtime Specification  
<http://spider.osfl.disa.mil/cm/irts4/body.pdf>
- 1.3.20 EPA Energy Star Program.  
PC and Monitor Memorandum of Understanding  
[http://www.epa.gov/appdstar/esoe/pc\\_mou.html](http://www.epa.gov/appdstar/esoe/pc_mou.html)  
<http://www.epa.gov/appdstar/esoe/pcsum.html>  
Printer and FAX Memorandum of Understanding  
[http://www.epa.gov/appdstar/esoe/printfax\\_mou.html](http://www.epa.gov/appdstar/esoe/printfax_mou.html)

1.3.21 FIPS Publications.

<http://www.itl.nist.gov/div897/pubs/>

1.3.22 Security Rainbow Series.

<http://www.fas.org/irp/nsa/rainbow.htm>

1.3.23 Windows NT Certification.

<http://www.microsoft.com/NTWorkstation/compat.htm>.

1.3.24 General Listing of Standards and Cross Reference (IEC, IEEE, ISO, SNMP, and more)

<http://www.cmpcmm.com/cc/standards.html>

## **1.4 Contract Terminology and Definitions.**

**Asset Management.** The aspects of manageability that deal with the gathering of enterprise data and analyzing this information to resolve issues such as inventory, consolidation or purchase of software licenses or upgrades, track data trends. The information's primary focus is to maximize equipment utilization and project future growth requirements in a manner that minimizes the organization's overall cost.

**Client/Server Environment.** A client/server environment is characterized by the sharing of processing between the client (personal computer) and server. The client system usually generates screen displays, reports, and data requests. The server processes requests and sends back only authorized information which matches the request criteria.

**Configuration Management.** Aspects of manageability that deal with optimizing the system performance to conduct given tasks. Process involves selection and configuration of both hardware and software components in the system to ensure compatibility and maximum performance.

**CONUS.** The Continental United States which includes the forty eight contiguous states, Alaska, Hawaii, and the District of Columbia.

**Document Management Software.** Document management software is used to create, manage, organize, and distribute electronic documents.

**Equipment.** The term equipment is used throughout the specification to refer to a combination of items such as hardware, software, and firmware.

**File Server Environment.** A file server environment is characterized by a central repository for the sharing of applications (e.g., databases, word processors), data, files, and hardware

resources (e.g., printers, modems, scanners). When a user requests services from the file server, the necessary resource(s) is logically connected to the user's platform via the network. Execution of requested services is done on the user's platform.

Groupware. Groupware enables teams to collaborate on documents and exchange information. It traditionally is intended to handle broad unstructured activities.

Managed PCs. A managed PC has the ability to run windowsbased programs and applications locally and includes an internal hard drive. The platform also allows for remote management of functions such as inventory tracking of internal components, distribution of software packages and platform diagnostics.

OCONUS. Outside CONUS includes Germany, Italy, Korea, Panama, United Kingdom, Belgium, and Japan (including Okinawa).

On-Site Service. The on-site service means that the contractor's technician comes to the end-user location where the equipment is located to diagnose, fix, or replace the defective component to restore the defective equipment to its original operational status. Express mailin replacement part to the end-user is not considered on-site service.

Open Bus Architecture. A bus with multivendor support. This means that at least three independent 3<sup>rd</sup> party companies develop boards which are commercially available for the bus.

Open Systems Environments. The comprehensive set of interfaces, services, and supporting formats; plus user aspects, for interoperability or for portability of applications, data, or people, as specified by information technology standards and profiles. Source: IEEE P1003.0 POSIX Committee

Remote OCONUS. Locations outside CONUS/OCONUS locations (e.g., Bosnia, Saudi Arabia)

RFI/EMI. Radio Frequency and Electromagnetic Interface

Seat Management. A structured operational and managed automated environment which enhances the usability of PC systems and servers as well as reduces the cost of deployment, ownership, administration, and other activities which is consistent with commercial practices.

Tightly-Coupled. In a tightly coupled design all processors access/share a single pool of memory. All processors have access to one copy of the kernel in a shared region of the memory.

Total Cost of Ownership (TCO). The lifetime costs associated with a product. This includes the initial hardware and software purchase price, installation, service/support (e.g., help desk, system/network administrator), upgrades, training, and routine maintenance (e.g., backup files, archive files, defrag drives). TCO studies indicate that post purchase costs contribute the largest factor to a product's lifetime costs, a factor which can be reduced through manageability.

Workflow Management Software. Workflow management software is an application designed to define, coordinate, and track activities in a business process. Delivery of work items is achieved via internet packets over LANs and WANs.



**2. Servers.** The servers shall be available in four categories; uniprocessor, dual processor, quad processor, and eight-way processor. Each server shall consist of a base platform for which various accessories shall be selected to transform the base platform into an operational system. All parts necessary to make the system operational shall be included with the appropriate CLIN item. All internal accessories shall be installed and configured within the specified base platform. All operational servers shall be compliant with the following regulatory and commercial requirements within 60 days after receipt of notice to proceed: (except as noted)

FCC - CFR 47, Part 15, Subpart J, Class A
CISPR 22 class A (International standards for RFI/EMI)
EN 55022 Class B
EN 50082-1 (Generic Immunity)
European Community CE certified(European EMC Directive 89/336 -CE)
UL 1950 (USA electrical safety)
EN 60950 (International)
IEC 950 (Europe electrical safety)
Year 2000 compliance
Wired for Management Baseline (Version 1.1a)
Microsoft Windows NT Compliant IAW Microsoft Windows NT Hardware Compatibility List (Note: For the Dual Processor, Quad Processor and Eight-way Processor servers, listing on the Microsoft Windows NT Hardware Compatibility List is required six months after contract award)
Server 98 (to include ACPI 1.0) (Note: Compliancy is required for all servers by 30 June 1999)

Table-2 Server Regulatory and Commercial Requirements

The operational servers shall also be C2 compliant in accordance with DOD Directive 5200.28 with either of the specified operating systems (Paragraph 2.5). The operational server shall run both of the specified operating systems (not simultaneously). All servers shall have a key lock to prevent access to the computer case and removal of drives. After contract award, the Government will work with the contractor to establish at least two bundled configurations for each base platform (e.g., two uniprocessor configurations, two dual processor configuration, etc.). Each bundle shall consist of only available CLIN items and the cost shall not exceed the total costs of the individual CLINs identified within the bundle.

References throughout this specification to Microsoft Windows NT may be interpreted to read Microsoft Windows NT, or equivalent. The existing networking environment and future requirement of the Army consists of servers at multiple levels of capacity as identified in the server section of this specification. The operating system trend within the Army is toward Microsoft NT, as evidenced by the major army commands that have identified Microsoft NT as their operating system of choice. Accordingly, Microsoft Windows NT is a preferred product solution.

**2.1 Uniprocessor Server.** A block diagram depicting the relationship between the base platform and various server accessories needed to complete the server configuration is shown in figure 2.

**2.1.1 Uniprocessor Base Platform.** It is preferred that the manufacturer of the uniprocessor server will be listed on the Gartner Group Desktop Vendor Tiering Model as Enterprise tier/Middle tier. The uniprocessor server shall comply with the Wired for Management Baseline (Version 1.1a) requirements and be Microsoft Windows NT compliant. Under the Wired for Management (WfM) baseline, server features defined as "required" and "for new instrumentation" shall be provided. Server features under WfM defined as "recommended" or "optional" that support or improve manageability are desired. The uniprocessor server shall be equipped with an Intel 400 MHz Pentium II with 512 KB of level 2 cache or equivalent processor. The uniprocessor server shall support a total of 256 MB of Error Checking and Correcting (ECC) RAM. The uniprocessor server shall have four PCI local bus slots, and storage bays for five internal devices (two fixed bays for CD-ROM player and tape drive devices and three hot swap bays for SCSI hard disk drives). The PCI local bus shall be compliant with the PCI 2.1 specification. The uniprocessor server shall have either an ultra/narrow SCSI or SCSI-II /wide controller (transfer rate of 20 Mbytes per second). The uniprocessor server shall include a video controller that provides a resolution of 1280 X 1024 with 256 simultaneous colors. The controllers shall use either PCI or Accelerated Graphics Port (AGP version 1.0) interfaces. No ISA cards shall be used to fulfill any of the requirements for the uniprocessor server. The uniprocessor server shall include a 3½" floppy disk drive capable of reading and writing 1.44 MB and 720 KB formats.

The uniprocessor server shall include a bootable CD-ROM (i.e., the system BIOS or option ROM must support the no emulation mode defined in EITorito-Bootable CD-ROM Format Specification, Version 1.0) with an average throughput of 1200 KB per second (8X). The uniprocessor server shall include one IEEE P1284 compliant enhanced parallel port, two RS232 compliant serial ports, and one Intelligent Input/Output (I<sup>2</sup>O) port (Operating System Service Module and Hardware Device Module). The serial ports shall have 16550 UART or equivalent performance. The I<sup>2</sup>O port shall be compliant with versions 1.5 and 2.0 of the Intelligent Input/Output architecture. The uniprocessor server shall be equipped with a keyboard and mouse that are PS/2 devices. The keyboard shall have 104 keys with indicators for "NUM Lock", "CAPS Lock", and "Scroll". The mouse shall have two buttons and a resolution of 400 dpi. The uniprocessor server shall be Server 98 compliant by 30 June 1999, as evidenced by the product being listed on Microsoft's Hardware Compatibility Listing. The power supply for the uniprocessor server shall be used in CONUS, the Far East (Japan & Korea), Europe (Germany,

United Kingdom, Bosnia, and Italy), Saudi Arabia, and Panama. The power supply shall be line switchable to operate at sites with 120 VAC  $\pm 10\%$  at 60 Hz and 220 VAC  $\pm 10\%$  at 50 Hz using local commercial grade power.

**Uniprocessor Server  
Base Platform**

Para 2.1.1  
- Motherboard  
- SCSI Controller  
- Video Controller  
- 3.5 " Floppy  
- CD-ROM  
- I/O Ports  
- Keyboard  
- Mouse  
- Power Supply

**Server Unique  
Accessories**

RAM  
Para. 2.1.2  
  
Operating System  
Para 2.5

**General Accessories**

Monitor Para 5.1	Power Devices Para 6.0.
Network Card Para 9.1	

Figure 2. Uniprocessor Block Diagram

2.1.2 Uniprocessor Memory. The uniprocessor server shall use Error Checking and Correcting (ECC) RAM. The uniprocessor server shall be provided with 64 MB, 128 MB, and 256 MB RAM. The ECC RAM shall be provided in the following sizes:

- Upgrade from 64 MB to 128 MB
- Upgrade from 128 MB to 256 MB
- Upgrade from 64 MB to 256 MB

2.1.3 Uniprocessor Benchmarks. A uniprocessor server equipped with an Intel 400 MHz Pentium II w/ 512 KB level 2 cache is accepted by the Government as meeting the performance levels shown below. Uniprocessor servers with equivalent processors are expected to provide evidence that their server performs at the levels specified. The Ziff Davis Server Benchmarks for the uniprocessor server are shown in Table-3 ServerBench and Table-4 NetBench. The benchmark performance values represent expected levels of performance. Parameters and instructions for executing the benchmarks are provided in Appendix 2.

Trans./Sec							
700							
600							
500							
400							
300							
200							
100							
	1	4	8	12	16	20	24
	Client Loads						

Table-3. ServerBench

MegaBits./Sec							
140							
120							
100							
80							
60							
40							
20							
	1	4	8	12	16	20	24
	Client Loads						

Table-4. NetBench

2.1.4 Reserved.



## Dual Processor Server

**2.2 Dual Processor Server** The dual processor server will be listed on the Gartner Group Desktop Vendor Tiering Model as Enterprise tier/Middle tier. The dual processor server may be a prototype assemblage at proposal submission. However, prototype assemblages must be commercially available by the time of first delivery. With respect to these items, first delivery shall be no sooner than 60 days following notice to proceed. For the prototype assemblage certification of regulatory requirements (i.e., FCC, IEC, etc.) shall be completed by time of first delivery, listing on Microsoft Windows NT hardware compatibility list shall be completed within 6 months of contract award. A block diagram depicting the relationship between the base platform and various server accessories needed to complete the server configuration is shown in figure 3.

- Keyboard
- Mouse

**2.2.1 Dual Processor Base Platform** The dual processor server shall comply with the Wired for Management Baseline (Version 1.1a) requirements and be Microsoft Windows NT compliant. Under the Wired for Management (WfM) baseline, server features defined as "required" and "for new instrumentation" shall be provided. Server features under WfM defined as "recommended" or "optional" that support or improve manageability are desired. The dual processor server shall support a total of 512 MB of ECC RAM. The dual processor server shall have four PCI local bus slots, and storage bays for internal devices (hard disk drives, CD-ROM player and tape drive devices and four hot swap bays for SCSI hard disk drives). The PCI local bus shall be compliant with the PCI 2.1 specification. The dual processor server shall have either an ultra/narrow SCSI or SCSI-II /wide controller (transfer rate of 20 Mbytes per second). The dual processor server shall include a video controller that provides a resolution of 1280 X 1024 with 256 simultaneous colors. The controllers shall use either PCI or Accelerated Graphics Port (AGP version 1.0) interfaces. No ISA cards shall be used to fulfill any of the requirements for the dual processor server. The dual processor server shall include a 3½" floppy disk drive capable of reading and writing 1.44 MB and 720 KB formats. The dual processor server shall include a bootable CDROM (i.e., the system BIOS or option ROM must support the no emulation mode defined in EITorito-Bootable CD-ROM Format Specification, Version 1.0) with an average throughput of 1200 KB per second (8X). The dual processor server shall include one IEEE P1284 compliant enhanced parallel port, two RS-232 compliant serial ports, and one Intelligent Input/Output (I/O) port (Operating System Service Module and Hardware Device Module). The serial ports shall have 16550 UART or equivalent performance. The I/O port shall be compliant with versions 1.5 and 2.0 of the Intelligent Input/Output architecture. The dual processor server shall be equipped with a keyboard and mouse that are PS/2 devices. The keyboard shall have 104 keys with indicators for "NUM Lock", "CAPS Lock", and "Scroll". The mouse shall have two buttons and a resolution of 400 dpi. The dual processor server shall be Server 98 compliant by 30 June 1999, as evidenced by the product being listed on Microsoft's Hardware Compatibility Listing. The power supply for the dual processor server shall be used in CONUS, the Far East (Japan & Korea), Europe (Germany, United Kingdom, Bosnia, and Italy), Saudi Arabia, and Panama. The power supply shall be line switchable to operate at sites with 120 VAC ±10% at 60 Hz and 220 VAC ±10% at 50 Hz using local commercial grade power.

a. Base platform with one processor  
b. Base platform with two processors  
c. Upgrade from one processor to two processors

2.2.3 Dual Processor Memory. The dual processor server shall use Error Checking and Correcting (ECC) RAM. The ECC RAM shall be provided in the following sizes:

- a. 128 MB for base platform
- b. 256 MB for base platform
- c. 512 MB for base platform
- d. Upgrade from 128 MB to 256 MB
- e. Upgrade from 256 MB to 512MB
- f. Upgrade from 128 MB to 512 MB

2.2.4 Dual Processor Benchmarks. A dual processor server equipped with Intel 400 MHz Pentium II Xeon (Slot 2 and 1 MB Level 2 cache) is accepted by the Government as meeting the performance levels shown below. A dual processor server with equivalent processors are expected to provide evidence that their server performs at the levels specified. The Ziff Davis Server Benchmarks for the dual processor server are shown in Table5 ServerBench and Table-6 NetBench. The benchmark performance values represent expected levels of performance. Parameters and instructions for executing the benchmarks are provided in Appendix 2.

Trans./Sec							
1400							
1200							
1000							
800							
600							
400							
200							
	1	4	8	12	16	20	24
	Client Loads						

Table-5. ServerBench

MegaBits./Sec							
140							
120							
100							
80							
60							
40							
20							
	1	4	8	12	16	20	24
	Client Loads						

Table-6 NetBench

2.2.5 Reserved.





2.3.1 Quad Processor Server with 120 MHz and 10% heat and 60 Hz and 220 VAC and 10% at 50 Hz will be listed on the General Group Desktop Vendor Tiering Model as Enterprise tier/Middle tier. The quad processor server may be a prototype assemblage at proposal submission. However, prototype assemblages must be commercially available 60 days after notice to proceed. With respect to these items, first delivery shall be no sooner than 60 days following notice to proceed. For the prototype assemblage, certification of regulatory requirements (i.e., FCC, IEC, etc.) shall be completed by time of first delivery, listing on Microsoft Windows NT hardware compatibility list shall be completed within 6 months of contract award. A block diagram depicting the relationship between the base platform and various server accessories needed to complete the server configuration is shown in figure 4.

- 3.5 " Floppy

Rack Mount Kit

2.3.1 Quad Processor Base Platform. The quad processor server shall comply with the Wired for Management Baseline Version 1.1a requirements and be Microsoft Windows NT compliant. Under the Wired for Management (WfM) baseline, server features defined as "required" and "for new instrumentation" shall be provided. Server features under WfM defined as "recommended" or "optional" that support or improve manageability are desired. The quad processor server shall support a total of 1 GB of ECC RAM. The quad processor server shall have dual peer or equivalent / better performing PCI local buses with six PCI slots, and storage bays for eight internal devices (two fixed bays for CD-ROM player and tape drive devices and six hot swap bays for SCSI hard disk drives). The PCI local bus shall be compliant with the PCI 2.1 specification. The quad processor server shall have either an ultra/wide SCSI or Ultra2 /narrow SCSI controller (transfer rate of 40 Mbytes per second). The quad processor server shall include a video controller that provides a resolution of 1280 X 1024 with 256 simultaneous colors. The controllers shall use either PCI or Accelerated Graphics Port (AGP version 1.0) interfaces. No ISA cards shall be used to fulfill any of the requirements for the quad processor server. The quad processor server shall include a 3 1/2" floppy disk drive capable of reading and writing 1.44 MB and 720 KB formats. The quad processor server shall include a bootable CD-ROM (i.e., the system BIOS or option ROM must support the no emulation mode defined in EITorito-Bootable CD-ROM Format Specification, Version 1.0) with an average throughput of 1200 KB per second (8X). The quad processor server shall include one IEEE P1284 compliant enhanced parallel port, two RS232 compliant serial ports, and one Intelligent Input/Output (I/O) port (Operating System Service Module and Hardware Device Module). The serial ports shall have 16550 UART or equivalent performance. The I/O port shall be compliant with versions 1.5 and 2.0 of the Intelligent

Input/Output architecture. The quad processor server shall be equipped with a keyboard and mouse that are PS/2 devices. The keyboard shall have 104 keys with indicators for "NUM Lock", "CAPS Lock", and "Scroll". The mouse shall have two buttons and a resolution of 400 dpi. The quad processor server shall provide redundant multiprocessor configurations, scaling from one to four processors. The quad processor and associated equipment shall be upgradeable to accommodate processor and firmware upgrades (e.g., ZIP socket or daughter-board). Processors shall be provided in the following product being listed on Microsoft's Hardware Compatibility Listing. The power supply for the quad processor server shall be used in CONUS, the Far East (Japan & Korea), Europe (Germany, United Kingdom, Bosnia, and Italy), Saudi Arabia, and Panama. The power supply shall be line

- b. Base platform with two processors
- c. Base platform with four processors
- d. Upgrade from one processor to two processors
- e. Upgrade from two processors to four processors
- f. Upgrade from one processor to four processors

2.3.3 Quad Processor Memory. The quad processor server shall use Error Checking and Correcting (ECC) RAM. The ECC RAM shall be provided in the following sizes:

- a. 256 MB for base platform
- b. 512 MB for base platform
- c. 1 GB for base platform
- d. Upgrade from 256 MB to 512 MB
- e. Upgrade from 512 MB to 1024 MB
- f. Upgrade from 256 MB to 1024 MB

2.3.4 Rack Mount Kit. As an option to the typical free standing computer case, the quad processor server shall support a rack mount kit. The rack mount kit shall either be an add-on to the existing server cabinet or an optional rack cabinet ordered as part of the server configuration. The rack mount kit shall allow the server to be mounted in the 19" racks specified in paragraph 8.5.

2.3.5 Quad Processor Benchmarks. A quad processor server equipped with Intel 450 MHz Pentium II Xeon (Slot 2 and 1 MB Level 2 cache) is accepted by the Government as meeting the performance levels shown below. A quad processor servers with equivalent processors are expected to provide evidence that their server performs at the levels specified. The Ziff Davis Server Benchmarks for the quad processor server are shown in Table 7 ServerBench and Table 8 NetBench. The benchmark performance values represent expected levels of performance. Parameters and instructions for executing the benchmarks are provided in Appendix 2.

Trans./Sec							MegaBits./Sec						
1400							140						
1200							120						
1000							100						
800							80						
600							60						
400							40						
200							20						
1	4	8	12	16	20	24	1	4	8	12	16	20	24
Client Loads							Client Loads						



eight-way processor server based in CONUS, the Far East (Japan and Korea), Europe (Germany, France, Italy, and others), Saudi Arabia, and Pacific. The power supply shall be a hot-swappable, computer group desktop V and/or during 60 Hz and 220 V AC  $\pm 10\%$  at 50/60 Hz. The eight-way processor server shall be a 20 V AC prototype as 60 Hz feed from a split phase connection. However, a prototype assemblage must be completed by date of first delivery. With respect to these items, first delivery shall be no sooner than 30 days following the manufacturer's announcement of commercial availability of the 8way server. For the prototype assemblage certification of regulatory requirements (i.e., FCC, IEC, etc.) shall be completed by time of first delivery, listing on Microsoft Windows NT hardware compatibility list shall completed within 6 months of contract award. A block diagram depicting the relationship between the base platform and various server accessories needed to complete the server configuration is shown in figure 5.

#### Para. 2.4.1

- Motherboard

#### Processors

#### Para. 2.4.2

2.4.1 Eight-way Processor Base Platform. The eight-way processor server shall comply with the Wired for Management Baseline Version 1.1a requirements and be Microsoft Windows NT compliant. Under the Wired for Management (WfM) baseline, server features defined as "required" and "for new instrumentation" shall be provided. Server features under WfM defined as "recommended" or "optional" that support or improve manageability are desired. The eightway processor server shall support a total of 4 GB of ECC RAM. The eight-way processor server shall have dual peer PCI local buses with six PCI slots, and storage bays for twelve internal devices (two fixed bays for CD-ROM player and tape drive devices and ten hot swap bays for SCSI hard disk drives). The PCI local bus shall be compliant with the PCI 2.1 specification. The eightway processor server shall have either an ultra/wide SCSI or Ultra-2 /narrow SCSI controller (transfer rate of 40 Mbytes per second). The eight-way processor server shall include a video controller that provides a resolution of 1024 with 256 simultaneous colors. The controllers shall use either PCI or Accelerated Graphics Port (AGP version 1.0) interfaces. No ISA cards shall be used to fulfill any of the requirements for the eightway processor server. The eight-way processor server shall include a 3½" floppy disk drive capable of reading and writing .44 MB and 720 KB formats. The eight-way processor server shall include a bootable CD-ROM (i.e., the system BIOS or option ROM must support the no emulation mode defined in ElTorito-Bootable CD-ROM Format Specification, Version 1.0) with an average throughput of 1200 KB per second (8X). The eight-way processor server shall include one IEEE P1284 compliant enhanced parallel port, two RS-232 compliant serial ports, and one Intelligent Input/Output (IO) port (Operating System Service Module and Hardware Device Module). The serial ports shall have 16550 UART or equivalent performance. The IO port shall be compliant with versions 1.5 and 2.0 of the Intelligent Input/Output architecture. The eight-way processor server shall be equipped with a keyboard and mouse that are PS/2 devices. The keyboard shall have 104 keys with indicators for "NUM Lock", "CAPS Lock", and "Scroll Lock". The mouse shall have two buttons and a resolution of 400 dpi. The eight-way processor server shall provide redundant power supplies and fans that are hot swappable. The eight-way processor server shall be equipped with 199 Intel 450 MHz Pentium II Xeon (Slot 2) and 1 MB Level 2 cache. The power supply for the



processor server shall provide a tightly coupled multiprocessor configurations, scaling from two to eight processors. The processor and associated equipment shall be upgradeable to accommodate processor and firmware upgrades (e.g., ZIF socket or daughter-board). Processors shall be provided in the following configurations:

a. Base platform with two processors	
b. Base platform with four processors	
c. Base platform with six processors	
d. Base platform with eight processors	
e. Upgrade from two processors to four processors	
f. Upgrade from four processors to six processors	
g. Upgrade from four processors to eight processors	
h. Upgrade from six processors to eight processors	

2.4.3 Eight-way Processor Memory. The eight-way processor server shall use Error Checking and Correction. The eight-way processor server shall be provided with the following memory configurations:

- 256 MB for base platform
- 512 MB for base platform
- 1 GB for base platform
- 4 GB for base platform
- Upgrade from 256 MB to 512 MB
- Upgrade from 256 MB to 1024 MB
- Upgrade from 512 MB to 1024 MB
- Upgrade from 1 GB to 4 GB

Table-10. NetBench

2.4.4 Rack Mount Kit. As an option to the typical free standing computer case, the eight-way processor server shall support a rack mount kit. The rack mount kit shall either be an add-on to the existing server cabinet or an optional rack cabinet ordered as part of the server configuration. The rack mount kit shall allow the server to be mounted in the 19" rack specified in paragraph 8.5.

2.4.5 Eight-way Processor Target Benchmarks. An eight-way processor server equipped with Intel 450 MHz Pentium II Xeon (Slot 2 and 1 MB Level 2 cache) is accepted by the Government as meeting the performance levels shown below. An eight-way processor servers with equivalent processors are expected to provide evidence that their server performs at the levels specified. The Ziff Davis Server Benchmarks for the eight-way processor server are shown in Table-9 ServerBench and Table-10 NetBench. The benchmark performance values represent expected levels of performance. Parameters and instructions for executing the benchmarks are provided in Appendix 2.







### 2.5.5 Server Operating System

Each Mini-vial De Compliance Unit (noted as DDU) detecting the DDI Sender (on Operator's Encoder (offline)) (COP) and safety in force as a long one equipment can take with DDI Distribute 5100-28 The fibre

phase subcarrier sampling with the 2 fibre channel, 1, 0.8, and 0.1 fiber channel tower, and fiber channel (NAD) tower. The fibre channel hub shall include a twelve foot cable to connect the hub to

Operating System	3.16, 3.19
2.5.1.b Workstation Software	The Microsoft Windows NT Server operating system shall be the

1	Account Groups	Fibre Channel	5-57, 5-58, 5-59
2	Aggregate Segments	Server	5-66
3	Signatures and Compressors	Fibre Channel	5-67, 5-68, 5-69, 5-70
4	Miscellaneous	Hub	5-71, 5-72, 5-73, 5-74, 5-75, 5-76, 5-77, 5-78, 5-79, 5-80, 5-81, 5-82, 5-83, 5-84, 5-85, 5-86, 5-87, 5-88, 5-89, 5-90, 5-91, 5-92, 5-93, 5-94, 5-95, 5-96, 5-97, 5-98, 5-99, 5-100, 5-101, 5-102, 5-103, 5-104, 5-105, 5-106, 5-107

2.5.2	UNIX Operating System. The UNIX operating system shall be a native 32bit implementation and compliant with NIST POSE 15-73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887
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implementation of POSIX.1 that interfaces directly to an operating system kernel. The UNIX operating system shall also support the network interface cards specified in section 9.1 and include the internet protocol suite (TCP/IP) with Telnet and FTP applications. Non DII COE compliant

operating systems shall seek and acquire DII COE compliance with the Defense Information Systems Agency (DISA) as soon as possible.

NOTE: Initial DII COE compliance is a self certification based on DII COE checklist and include necessary operating system drivers (NT and UNIX) to operate with the specified SCSI devices.

1	Operating System	1-2, 1-4, 1-5, 1-6, 1-7, 1-8
2	Single Ended SCSI Controller. The single ended SCSI controller shall have two dependent SCSI channels, one channel with an external connector. The single ended SCSI controller shall support SCSI devices specified in paragraphs 2.7.1 (Standard SCSI Drives), 2.9.1 (Tape Backup Unit), 2.9.2 (External Tape Backup Unit), 2.9.1 (SATA Hard Drive), and 2.9.2 (SCSI Tower). Fibre Channel RAID Tower	1-14, 1-15, 1-16, 2-9
3	Operating System	2-13
4	Single Ended SCSI Controller. The single ended SCSI controller shall have two dependent SCSI channels, one channel with an external connector. The single ended SCSI controller shall support SCSI devices specified in paragraphs 2.7.1 (Standard SCSI Drives), 2.9.1 (Tape Backup Unit), 2.9.2 (External Tape Backup Unit), 2.9.1 (SATA Hard Drive), and 2.9.2 (SCSI Tower). Fibre Channel RAID Tower	2-14
5	Operating System	3-1, 3-2, 3-3, 3-4, 3-5, 3-6, 3-7, 3-8, 3-9, 3-10, 3-11, 3-12, 3-13, 3-14, 3-15, 3-16, 3-17, 3-18, 3-19, 3-20, 3-21, 3-22, 3-23, 3-24, 3-25, 3-26, 3-27, 3-28, 3-29, 3-30, 3-31, 3-32, 3-33, 3-34, 3-35, 3-36, 3-37, 3-38, 3-39, 3-40, 3-41, 3-42, 3-43, 3-44, 3-45, 3-46, 3-47, 3-48, 3-49, 3-50, 3-51, 3-52, 3-53, 3-54, 3-55, 3-56, 3-57, 3-58, 3-59, 3-60, 3-61, 3-62, 3-63, 3-64, 3-65, 3-66, 3-67, 3-68, 3-69, 3-70, 3-71, 3-72, 3-73, 3-74, 3-75, 3-76, 3-77, 3-78, 3-79, 3-80, 3-81, 3-82, 3-83, 3-84, 3-85, 3-86, 3-87, 3-88, 3-89, 3-90, 3-91, 3-92, 3-93, 3-94, 3-95, 3-96, 3-97, 3-98, 3-99, 3-100, 3-101, 3-102, 3-103, 3-104, 3-105, 3-106, 3-107, 3-108, 3-109, 3-110, 3-111, 3-112, 3-113, 3-114, 3-115, 3-116, 3-117, 3-118, 3-119, 3-120, 3-121, 3-122, 3-123, 3-124, 3-125, 3-126, 3-127, 3-128, 3-129, 3-130, 3-131, 3-132, 3-133, 3-134, 3-135, 3-136, 3-137, 3-138, 3-139, 3-140, 3-141, 3-142, 3-143, 3-144, 3-145, 3-146, 3-147, 3-148, 3-149, 3-150, 3-151, 3-152, 3-153, 3-154, 3-155, 3-156, 3-157, 3-158, 3-159, 3-160, 3-161, 3-162, 3-163, 3-164, 3-165, 3-166, 3-167, 3-168, 3-169, 3-170, 3-171, 3-172, 3-173, 3-174, 3-175, 3-176, 3-177, 3-178, 3-179, 3-180, 3-181, 3-182, 3-183, 3-184, 3-185, 3-186, 3-187, 3-188, 3-189, 3-190, 3-191, 3-192, 3-193, 3-194, 3-195, 3-196, 3-197, 3-198, 3-199, 3-200, 3-201, 3-202, 3-203, 3-204, 3-205, 3-206, 3-207, 3-208, 3-209, 3-210, 3-211, 3-212, 3-213, 3-214, 3-215, 3-216, 3-217, 3-218, 3-219, 3-220, 3-221, 3-222, 3-223, 3-224, 3-225, 3-226, 3-227, 3-228, 3-229, 3-230, 3-231, 3-232, 3-233, 3-234, 3-235, 3-236, 3-237, 3-238, 3-239, 3-240, 3-241, 3-242, 3-243, 3-244, 3-245, 3-246, 3-247, 3-248, 3-249, 3-250, 3-251, 3-252, 3-253, 3-254, 3-255, 3-256, 3-257, 3-258, 3-259, 3-260, 3-261, 3-262, 3-263, 3-264, 3-265, 3-266, 3-267, 3-268, 3-269, 3-270, 3-271, 3-272, 3-273, 3-274, 3-275, 3-276, 3-277, 3-278, 3-279, 3-280, 3-281, 3-282, 3-283, 3-284, 3-285, 3-286, 3-287, 3-288, 3-289, 3-290, 3-291, 3-292, 3-293, 3-294, 3-295, 3-296, 3-297, 3-298, 3-299, 3-300, 3-301, 3-302, 3-303, 3-304, 3-305, 3-306, 3-307, 3-308, 3-309, 3-310, 3-311, 3-312, 3-313, 3-314, 3-315, 3-316, 3-317, 3-318, 3-319, 3-320, 3-321, 3-322, 3-323, 3-324, 3-325, 3-326, 3-327, 3-328, 3-329, 3-330, 3-331, 3-332, 3-333, 3-334, 3-335, 3-336, 3-337, 3-338, 3-339, 3-340, 3-341, 3-342, 3-343, 3-344, 3-345, 3-346, 3-347, 3-348, 3-349, 3-350, 3-351, 3-352, 3-353, 3-354, 3-355, 3-356, 3-357, 3-358, 3-359, 3-360, 3-361, 3-362, 3-363, 3-364, 3-365, 3-366, 3-367, 3-368, 3-369, 3-370, 3-371, 3-372, 3-373, 3-374, 3-375, 3-376, 3-377, 3-378, 3-379, 3-380, 3-381, 3-382, 3-383, 3-384, 3-385, 3-386, 3-387, 3-388, 3-389, 3-390, 3-391, 3-392, 3-393, 3-394, 3-395, 3-396, 3-397, 3-398, 3-399, 3-400, 3-401, 3-402, 3-403, 3-404, 3-405, 3-406, 3-407, 3-408, 3-409, 3-410, 3-411, 3-412, 3-413, 3-414, 3-415, 3-416, 3-417, 3-418, 3-419, 3-420, 3-421, 3-422, 3-423, 3-424, 3-425, 3-426, 3-427, 3-428, 3-429, 3-430, 3-431, 3-432, 3-433, 3-434, 3-435, 3-436, 3-437, 3-438, 3-439, 3-440, 3-441, 3-442, 3-443, 3-444, 3-445, 3-446, 3-447, 3-448, 3-449, 3-450, 3-451, 3-452, 3-453, 3-454, 3-455, 3-456, 3-457, 3-458, 3-459, 3-460, 3-461, 3-462, 3-463, 3-464, 3-465, 3-466, 3-467, 3-468, 3-469, 3-470, 3-471, 3-472, 3-473, 3-474, 3-475, 3-476, 3-477, 3-478, 3-479, 3-480, 3-481, 3-482, 3-483, 3-484, 3-485, 3-486, 3-487, 3-488, 3-489, 3-490, 3-491, 3-492, 3-493, 3-494, 3-495, 3-496, 3-497, 3-498, 3-499, 3-500, 3-501, 3-502, 3-503, 3-504, 3-505, 3-506, 3-507, 3-508, 3-509, 3-510, 3-511, 3-512, 3-513, 3-514, 3-515, 3-516, 3-517, 3-518, 3-519, 3-520, 3-521, 3-522, 3-523, 3-524, 3-525, 3-526, 3-527, 3-528, 3-529, 3-530, 3-531, 3-532, 3-533, 3-534, 3-535, 3-536, 3-537, 3-538, 3-539, 3-540, 3-541, 3-542, 3-543

2.6.2.2 **SCSI RAID Controller (Level 3)** RAID controller shall provide RAID 0 (data striping), RAID 1 (mirroring), RAID 5 (striping with distributed parity) using the devices specified in paragraph 2.9.2.1 (Formal SCSI Drives), and 2.9.2.2 (SCSI Tower-8). The SCSI RAID controller shall

have. **Bonding Compliance (Level 4)** and cache and support hot swapping of drives.

NOTE: The dashed lines from fiber channel disk drive are to illustrate the ability of fibre channel tower and fibre channel RAID tower to automatically support the hot swapping of drives.

2.6.3 **Differential SCSI Controller.** The differential SCSI controller shall have one independent SCSI channel capable of supporting the differential devices specified in paragraph 2.7.3 (Differential SCSI Drive) and 2.9.3 (Differential SCSI Tape). The controller shall also be capable of implementing multi initiator support for server clustering.

2.6.4 Fibre Channel Host Adapter. The fibre channel host adapter shall provide a fibre channel arbitrated loop using the fibre channel devices specified on paragraphs 2.6.5 (fibre channel hub), 2.7.4 (fiber channel drives), 2.9.5 (fiber channel tower), and 2.9.6 (fiber channel RAID tower).











[illegible]



Figure 7. RISC based Server Block Diagram

3.2 Processor. The RISC based server shall be equipped with a 64bit processor. The RISC based server shall provide a tightly coupled multiprocessor configuration, scaling from two to four processors. The processor and associated equipment shall be upgradeable to accommodate processor and firmware upgrades (e.g., ZIF socket or daughter-board). Processors shall be provided in the following configurations:

- a. Base platform with two processor
- b. Base platform with four processors
- c. Upgrade from two processor to four processors

3.3 RISC based Server Memory. The RISC based server shall use Error Checking and Correcting (ECC) RAM. The ECC RAM shall be provided in the following sizes:

- a. 1 GB for base platform
- b. 2 GB for base platform
- c. 4 GB for base platform
- d. Upgrade from 1 GB to 2 GB
- e. Upgrade from 2 GB to 4 GB
- f. Upgrade from 1 GB to 4 GB

3.4 RISC based Server Benchmarks. The RISC based server shall be self certified as meeting the performance levels and percent availability shown below

Standard Performance Evaluation Corp SPEC	
SPECint_rate95	415
SPECfp_rate95	395
Transaction Processing Performance Council - TPC	
TpmC	12,600
% Availability	98%

Table-17. RISC based Server Benchmarks

Base Platform	
Processors	Four
Memory	2 GB ECC RAM
Hard Disk Drives	4 ea. 18 GB drives
UNIX Operating System	

Table-18. RISC Server Evaluation Configuration

3.5 RISC based Operating System. The RISC based operating system shall be native 64bit UNIX implementation and compliant with NIST POSIX 151-2 reg. The RISC based OS shall either be listed in the latest version of the DII COE or fully satisfy the requirements listed below from the DII COE Compliance Checklist (Table 19). The RISC based operating system shall be self certified as C2 compliant in accordance with DOD Directive 5200.28. A native UNIX implementation refers to an implementation of POSIX.1 that interfaces directly to an operating system kernel. The UNIX operating system shall also support the network interface cards specified in section 9.1 and include the internet protocol suite (TCP/IP) with Telnet and FTP applications. Non DII COE compliant operating systems shall seek and acquire DII COE compliance with the Defense Information Systems Agency (DISA) as soon as possible.  
NOTE: Initial DII COE compliance is a self certification based on DII COE checklist.

<b>Standards Compliance (Level 1)</b>	
Operating System	1-2, 1-4, 1-5, 1-6, 1-7, 1-8
GUI Environment	1-14, 1-15, 1-16
<b>Network Compliance (level 2)</b>	
Operating System	2-2, 2-3
Network Services	2-5, 2-9
GUI Environment	2-14
<b>Platform Compliance (Level 3)</b>	
Operating System	3-1, 3-2
GUI Environment	3-5, 3-6, 3-7, 3-8
<b>Bootstrap Compliance (Level 4)</b>	
Security	4-1, 4-2
Standards Compliance	4-3, 4-4, 4-5, 4-6
<b>Minimal DII Compliance (Level 5)</b>	
Security	5-4, 5-6
Standards Compliance	5-7, 5-8, 5-9, 5-10, 5-11, 5-12
Operating System	5-18, 5-19

GUI Environment	5-20, 5-21, 5-22
COE-Component Segments	5-57, 5-58, 5-59
Account Groups	5-66
Aggregate Segments	5-58, 5-69, 5-70
Segment Descriptors	5-71, 5-72, 5-73, 5-74, 5-75, 5-76, 5-77, 5-78
Miscellaneous	5-102, 5-103, 5-104, 5-106, 5-107

Table-19. Requirements from the DII COE Compliance Checklist

### 3.6 RISC based SCSI Interfaces.

NOTE: The interfaces and drives below are requested in the following matter in order to facilitate integration with storage devices in section 2 where possible.

3.6.1 RISC based Single Ended SCSI Controller. The RISC based single ended SCSI controller shall have two independent SCSI channels, one channel with an external connector. The RISC based single ended SCSI controller shall support SCSI devices specified in paragraphs 3.7.1(RISC based SCSI Drives), 3.7.3 (Tape Backup Unit), 2.8.2 (External Tape Backup Unit), 2.9.1 (SCSI CD-ROM Tower), and 2.9.2 (SCSI Tower).

3.6.2 RISC based SCSI RAID controller. The RISC based SCSI RAID controller shall provide RAID 0 (data striping), RAID 1 (mirroring), and RAID 5 (striping with distributed parity) using the devices specified in paragraph 2.9.2 (SCSI Tower). The RISC based SCSI RAID controller shall support hot swapping of drives.

3.6.3 RISC based Differential Ended SCSI Controller. The RISC based differential SCSI controller shall have one independent SCSI channel capable of supporting the differential device specified in paragraph 2.9.3 (Differential SCSI Tower). The controller shall also be capable of implementing multi initiator support for server clustering.

3.6.4 RISC based Fibre Channel Host Adapter. The RISC based fibre channel host adapter shall provide a fibre channel arbitrated loop using the fibre channel devices specified on paragraphs 2.6.5 (fibre channel hub), 2.7.4 (fiber channel drives), 2.9.5 (fiber channel tower), and 2.9.6 (fiber channel RAID tower).

3.7 RISC based Storage Devices. The RISC based SCSI storage devices shall be European Community CE (European EMC Directive 89/336 –CE) certified.

3.7.1 RISC based SCSI Drives. The RISC based SCSI hard disk drives shall support a transfer rate of at least 20 Mbyte/sec. The standard SCSI hard drive shall operate with the RISC based server and the RISC based single ended SCSI controller. The standard SCSI hard disk drives shall support hot swapping and the following features:

Capacity	Rotational Speed	Average Seek Time
4 GB	7200 rpm	8 ms
9 GB	7200 rpm	8 ms
18 GB	7200 rpm	8 ms

Table-20. RISC based SCSI Drive Characteristics

### 3.7.2 Reserved

3.7.3 Internal Tape Backup Unit. The tape backup unit (TBU) shall have a SCSI2 interface and have a format capacity of 10 GB without the use of data compression techniques. The internal tape backup unit shall include three blank tapes and all necessary equipment and software for the specified operating system. The software shall allow the user to backup and restore files by: all files, individual files, files selected by operating system defined wildcards, files selected by date, files added or edited since last backup, and files within a subdirectory.

**4.0 Managed Personal Computers.** It is preferred that the manufacturer of the standard and high performance managed PCs will be listed on the Gartner Group Desktop Vendor Tiering Model as Enterprise tier/Middle tier. The standard and high performance managed PCs shall be manageable platforms that are compliant with the Wired for Management Baseline (Version 1.1a) requirements. Under the Wired for Management (WfM) baseline, PC features defined as “required” and “for new instrumentation” shall be provided. PC features under WfM defined as “recommended” or “optional” that support or improve manageability are desired. The standard and high performance platforms shall be Windows 95 compatible with plug and play BIOS and Windows NT compliant in accordance with the Microsoft Windows NT Hardware Compatibility List by the time of first delivery. With respect to these items, first delivery shall be no sooner than 60 days following notice to proceed. Listing on the Microsoft Windows NT Hardware Compatibility List shall be completed within 6 months of contract award. The standard and high performance platforms shall be year 2000 compliant.

**4.1 Standard Platform.** The standard platform may be a prototype assemblage at proposal submission. However, prototype assemblages must be commercially available by the time of first delivery. A block diagram depicting the relationship between the base platform and various managed PC accessories needed to complete the platform configuration is shown in figure 8.

**4.1.1 Standard Platform Base.** The standard platform shall be equipped with an Intel 350 MHz Pentium II with 512 KB of level 2 cache or equivalent processor. The managed PC shall support a total of 128 MB of system memory. The standard platform shall have one internal storage bay for separately ordered hard drive. The standard platform shall have an EIDE controller that provides Ultra DMA/33 bus mastering. The standard platform shall include a video controller that provides a resolution of 1280 X 1024 with 16.7 million simultaneous colors. The controllers shall use either PCI or Accelerated Graphics Port (AGP version 1.0) interfaces. The PCI local bus shall be compliant with the PCI 2.1 specification. The standard platform shall have a 10/100Base TX network interface that supports remote power-on. The standard platform shall include one IEEE P1284 compliant enhanced parallel port, one RS232 compliant serial port, and one Universal Serial Bus (USB). The serial port shall have 16550 UART or equivalent performance. The standard platform shall be equipped with a keyboard and mouse that are PS/2 or USB devices. The keyboard shall have 104 keys with indicators for “NUM Lock”, “CAPS Lock”, and “Scroll”. The mouse shall have two buttons and a resolution of 400 dpi. The standard platform shall be compliant with version 1.0 of the Advanced Configuration and Power Interface Specification (ACPI Version 1.0). The power supply for the standard platform shall be used in CONUS, the Far East (Japan & Korea), Europe (Germany, United Kingdom, Bosnia, and Italy), Saudi Arabia, and Panama. The power supply shall be line switchable to operate at sites with 120 VAC  $\pm 10\%$  at 60 Hz and 220 VAC  $\pm 10\%$  at 50 Hz using local commercial grade power. The standard platform shall be compliant with UL 1950 and IEC 950 safety standards. The standard platform shall also meet the FCC's CFR 47 Part 15, Subpart J, class B (USA) and EN 55022 Class

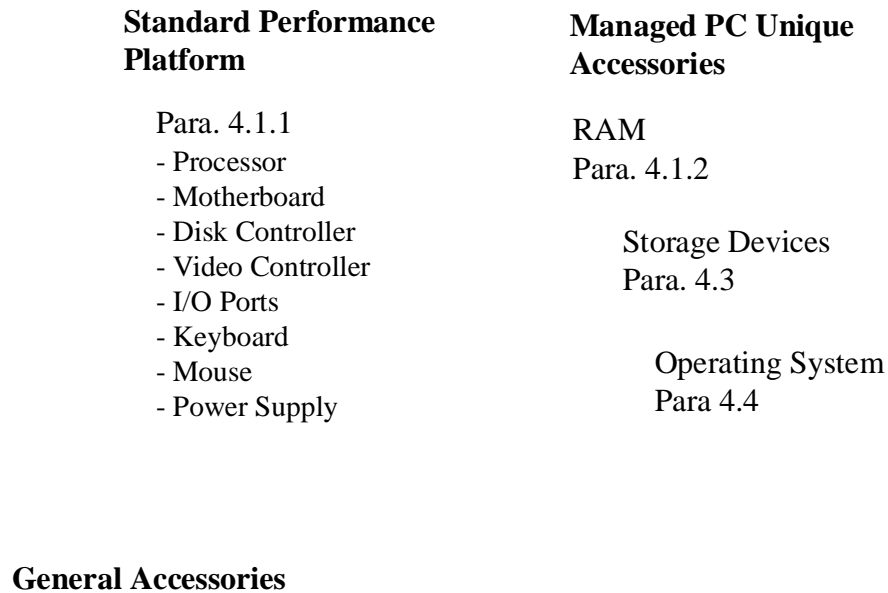


Figure-8. Standard Platform Block Diagram

B (International) standards for RFI/EMI. The standard platform shall be European Community CE certified (European EMC Directive 89/336 –CE) and EPA energy star compliant.

NOTE: The RFI/EMI standards for the managed platforms are more rigorous than for servers.

4.1.2 Standard Platform with Memory. The standard platform memory shall be configurable in the following sizes:

- a. Upgrade from 32 MB to 64 MB
- b. Upgrade from 64 MB to 128 MB
- c. Upgrade from 32 MB to 128 MB

4.1.3 Standard Platform Benchmarks. The processor equivalence and overall performance of the standard platform shall be gauged using Ziff Davis benchmarks. The target benchmarks for the standard platform are shown in Table 22 (Winstone and WinBench 98). Target performance values represent the expected levels of performance. Parameters and instructions for executing the benchmarks are provided in Appendix 3. A standard platform equipped with Intel 350 MHz Pentium II (Slot 1 and 512 KB Level 2 cache) is accepted by the Government as meeting the performance levels shown below.

Winstone and WinBench 98	
Business Winstone 98 (32-bit)	31
CPUMark32	880
Business Graphics WinMark 98 (24bit)	160
Business Disk WinMark 98	1590

Table-22. Winstone and WinBench 98 for Standard Platform

4.1.4 Reserved.



**4.2 High Performance Platform .** The high performance platform may be a prototype assemblage at proposal submission. However, prototype assemblages must be commercially available by the time of first delivery. A block diagram depicting the relationship between the base platform and various accessories needed to complete the platform configuration is shown in figure 9.

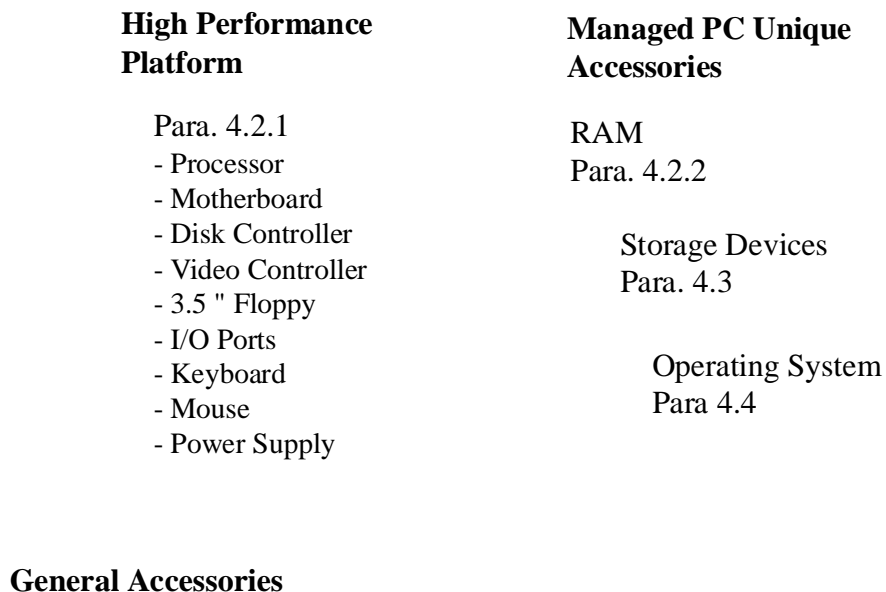


Figure-9. High Performance Platform Block Diagram

4.2.1 High Performance Platform. The high performance platform shall be equipped with an Intel 450 MHz Pentium II with 512 KB of level 2 cache or equivalent processor. The high performance platform shall support a total of 256 MB of system memory. The managed PC shall have four PCI



local bus slots, and storage bays for two devices (e.g., bays for specified hard drives and CD-ROM player). The high performance platform shall be compliant with the PCI 2.1 specification. The high performance platform shall have an EIDE controller that provides Ultra DMA/33 bus mastering. The high performance platform shall include a video controller that provides a resolution of 1280 X 1024 with Accelerated Graphics Port (AGP version 1.0) interfaces. No ISA cards shall be used to fulfill any of the requirements for the high performance platform (with the exception of the PC card reader). The high performance platform shall include a 3 1/2" floppy disk drive capable of reading and writing 1.44 MB and 720 KB formats. The high performance platform shall include one IEEE P1284 compliant enhanced parallel port, one RS232 compliant serial port, and one Universal Serial Bus (USB). The serial port shall have 16550 UART or equivalent performance. The high performance platform shall be equipped with a keyboard and mouse that are PS/2 or USB devices. The keyboard shall have 104 keys with indicators for "NUM Lock", "CAPS Lock", and "Scroll". The mouse shall have two buttons and a resolution of 400 dpi. The high performance platform shall be compliant with version 1.0 of the Advanced Configuration and Power Interface Specification (ACPI Version 1.0). The power supply for the high performance platform shall be used in CONUS, the Far East (Japan & Korea), Europe (Germany, United Kingdom, Bosnia, and Italy), Saudi Arabia, and Panama. The power shall be line switchable to operate at sites with 120 VAC ±10% at 60 Hz and 220 VAC ±10% at 50 Hz using local commercial grade power. The standard platform shall be compliant with UL 1950 and IEC 950 safety standards. The high performance platform shall also meet the FCC's CFR 47 Part 15, Subpart J, class B (USA) and EN 55022 Class B (International) standards for RFI/EMI. The high performance platform shall be European Community CE certified (European EMC Directive 89/336 –CE) and EPA energy star compliant. NOTE: The RFI/EMI standards for the managed platforms are more rigorous than for servers.

4.2.2 High Performance Platform with Memory. The high performance platform memory shall be configurable in the following sizes:

- a. Upgrade from 64 MB to 128 MB
- b. Upgrade from 128 MB to 256 MB
- c. Upgrade from 64 MB to 256 MB

4.2.3 High Performance Platform Benchmarks. The processor equivalence and overall performance of the high performance platform shall be gauged using Ziff Davis benchmarks. The target benchmarks for the high performance platform are shown in Table 23 (Winstone and WinBench 98). Target performance values represent the expected levels of performance. Instructions for executing the benchmarks are provided in Appendix 3. A high performance platform equipped with Intel 450 MHz Pentium II (Slot 1 and 512 KB Level 2 cache) is accepted by the Government as meeting the performance levels shown below.

**4.3 Managed PC Storage Devices.** For the specified EIDE managed PC storage items, device bay products of equivalent capacity and performance can be substituted. The storage devices shall be European Community CE (European EMC Directive 89/336 –CE) certified.

4.3.1 3.1GB Hard Disk Drive. The 3.1 GB hard disk drive shall have a rotational disk rate of at least 5,400 revolutions per minute (rpm), an average seek time of 10 milliseconds or less, and provide Ultra DMA/33 (burst transfer rate of 33.3 Mbytes/second). The 3.1 GB hard disk drive shall be SelfMonitoring, Analysis and Reporting Technology (SMART) capable.

4.3.2 6 GB Hard Disk Drive. The 6 GB hard disk drive shall have a rotational disk rate of at least 5,400 revolutions per minute (rpm), an average seek time of 10 milliseconds or less, and provides Ultra DMA/33 (burst transfer rate of 33.3 Mbytes/second). The 6 GB hard disk drive shall be Self-Monitoring, Analysis and Reporting Technology (SMART) capable.

4.3.3 8 GB Hard Disk Drive. The 8 GB hard disk drive shall have a rotational disk rate of at least 5,400 revolutions per minute (rpm), an average seek time of 10 milliseconds or less, and provides Ultra DMA/33 (burst transfer rate of 33.3 Mbytes/second). The 8 GB hard disk drive shall be Self Monitoring, Analysis and Reporting Technology (SMART)capable.

4.3.4 Single Platter CD-ROM. The CD-ROM player shall be ISO 9660 compliant, be able to read 5¼ inch CD-ROMs with a 24X transfer rate, have average access time of less than 95 milliseconds, contain a minimum of 128 kilobytes of RAM cache, and be capable of reading Photo CD, CD-ROM XA (extended architecture), CD-DA (digital audio), CD-I (interactive), and MPEG-1 formats. The CD-ROM player shall be AT Attachment Packet Interface (ATAPI) compatible and include an audio cable. (NOTE: CD-ROM only for high performance platform)

**4.4 PC Card Reader.** The PC card reader shall be a separately orderable device for the standard and high performance platforms. The PC card reader capable shall be capable of accommodating two type II and one type III device (not simultaneously) which is compliant with PC Card Standard 97. The Government desired to migrate away from ISA bus devices but will accept them to meet the PC card reader requirement if PCI devices do not exist.

**4.5 Managed PC Operating Systems.** Three unique 32-bit operating systems shall be provided for the managed PCs. Two operating systems shall be compliant with the Defense Information Infrastructure (DII) Common Operating Environment (COE). One of the DII COE compliant operating systems shall be the latest version of Microsoft Windows NT Workstation. The remaining DII COE compliant operating system shall be NIST POSIX compliant and either listed in latest version of the DII COE or fully satisfy the requirements listed below from the DIICOE Compliance Checklist. The third operating system shall be the latest version of Microsoft Windows or equivalent. The managed PC operating systems shall also support the network interface cards specified in section 9.1 and include the internet protocolsuite (TCP/IP) with Telnet and FTP applications. Non DII COE compliant operating systems shall seek and acquire DII COE compliance with the Defense Information Systems Agency (DISA) as soon as possible. Note: Initial DII COE compliance is a self certification based on the DII COE checklist.

<b>Standards Compliance (Level 1)</b>	
Operating System	1-2, 1-4, 1-5, 1-6, 1-7, 1-8
GUI Environment	1-14, 1-15, 1-16
<b>Network Compliance (level 2)</b>	
Operating System	2-2, 2-3
Network Services	2-5, 2-9
GUI Environment	2-14
<b>Platform Compliance (Level 3)</b>	
Operating System	3-1, 3-2
GUI Environment	3-5, 3-6, 3-7, 3-8
<b>Bootstrap Compliance (Level 4)</b>	
Security	4-1, 4-2
Standards Compliance	4-3, 4-4, 4-5, 4-6
<b>Minimal DII Compliance (Level 5)</b>	
Security	5-4, 5-6
Standards Compliance	5-7, 5-8, 5-9, 5-10, 5-11, 5-12
Operating System	5-18, 5-19
GUI Environment	5-20, 5-21, 5-22
COE-Component Segments	5-57, 5-58, 5-59
Account Groups	5-66
Aggregate Segments	5-58, 5-69, 5-70
Segment Descriptors	5-71, 5-72, 5-73, 5-74, 5-75, 5-76, 5-77, 5-78
Miscellaneous	5-102, 5-103, 5-104, 5-106, 5-107

Table-24. Requirements from the DII COE Compliance Checklist

## **5.0 Platform Accessories.**

**5.1 Color Monitors and Color Flat Panel Displays.** The color display units shall be used with the proposed servers and managed PCs. The color display units shall be VESA compliant and provide high resolution full motion images without jitters. The monitors shall be line switchable to operate at sites with 120 VAC  $\pm 10\%$  at 60 Hz and 220 VAC  $\pm 10\%$  at 50 Hz using local commercial grade power. The monitors shall meet the UL 1950 (USA) and IEC 950 (Europe) standards for electrical safety. The monitors shall also meet the FCC's CFR 47 Part 15, Subpart J, class B (USA) and EN 55022 Class B (International) standards for RFI/EMI. The monitors shall be European Community CE (European EMC Directive 89/336 –CE) certified.

5.1.1 17" Color Monitor. The 17" monitor shall support a resolution of 1280 X 1024 with 16.7 million simultaneous colors with a non-interlaced refresh rate of at least 75 Hz. The monitors shall have flat square or flat cyclical tubes. The color monitors shall also be compliant with EPA Energy Star requirements.

5.1.2 19" Color Monitor. The 19" monitor shall support a resolution of 1600 X 1200 with 16.7 million simultaneous colors with a non-interlaced refresh rate of at least 75 Hz. The monitors shall have flat square or flat cyclical tubes. The color monitors shall also be compliant with EPA Energy Star requirements.

5.1.3 21" Color Monitor. The 21" monitor shall support a resolution of 1600 X 1200 with 16.7 million simultaneous colors with a non-interlaced refresh rate of at least 75 Hz. The monitors shall have flat square or flat cyclical tubes. The color monitors shall also be compliant with EPA Energy Star requirements.

5.1.4 15" Color Flat Panel Display. The color flat panel display shall have a diagonal measurement of at least 15" and support a resolution of 1024 X 768 with 4096 simultaneous colors, 16 levels of grayscale with a non-interlaced refresh rate of at least 70 Hz, brightness of 200 cd/m<sup>2</sup> and contrast ratio of 80:1. The flat panel screen shall support a viewing angle of  $\pm 40^\circ$  horizontally and  $\pm 10^\circ$  vertically. The color flat panel display shall also be compliant with EPA Energy Star requirements.

**5.2 Printers.** The printers shall be line switchable to operate at sites with 120 VAC  $\pm 10\%$  at 60 Hz and 220 VAC  $\pm 10\%$  at 50 Hz using local commercial grade power. Separate 120 VAC and 220 VAC devices can be specified if the device is not line switchable. The 120 VAC device shall meet FCC's CFR 47 Part 15, Subpart J, class A (USA) for RFI/EMI and UL 1950 for electrical safety. The 220 VAC device shall meet CISPR 22 class B (International) standards for RFI/EMI, IEC 950 (Europe), and European Community CE (European EMC Directive 89/336-CE) certified.

5.2.1 Workgroup Laser Printer. The workgroup laser printer shall be a black and white laser printer that provides a resolution of 1200 x 1200 dots per inch (dpi). The workgroup laser printer shall provide Postscript level 2 emulation, Hewlett Packard PCL6 emulation, and TrueType fonts. The workgroup laser printer shall be capable of printing 17 pages per minute at a resolution of 600 X 600 dpi. The workgroup laser printer shall include two paper trays. One tray for 8½" X 11" paper the other adjustable for use with 8½" X 11" to legal size paper. The workgroup laser printer shall have a 10/100BaseT LAN port and a bidirectional parallel port. The 120 VAC laser printer shall also be compliant with EPA Energy Star requirements.

5.2.2 Departmental Laser Printer. The departmental laser printer shall be a black and white laser printer that provides a resolution of 600 x 600 dpi. The departmental laser printer shall provide Postscript level 2 emulation, Hewlett Packard PCL5e or higher emulation, and TrueType fonts. The departmental laser printer shall be capable of printing 24 pages per minute at a resolution of 600 X 600 dpi. The departmental laser printer shall include three paper trays. Two trays for 8½" X 11" paper the other adjustable for use with 8½" X 11" to legal size paper. The departmental laser printer shall support duplex printing. The departmental laser printer shall have a 10/100BaseT LAN port and a bidirectional parallel port. The departmental laser printer shall be network manageable. The 120 VAC laser printer shall also be compliant with EPA Energy Star requirements.

5.2.3 Color Laser Printer. The color laser printer shall provide a color resolution of 600 x 600 dpi. The laser printer shall provide Postscript level 2 emulation, and Hewlett Packard PCL5 emulation and TrueType fonts. The color laser printer shall be capable of printing 3 page per minute at the 600 X 600 dpi resolution and be equipped with 70 MB of memory. The color laser printer shall print on plain paper and transparency film in sizes from 8½" X 11" to legal. The color laser printer shall have a 10/100BaseT LAN port and a bidirectional parallel port. The color laser printer shall be network manageable. The 120 VAC laser printer shall also be compliant with EPA Energy Star requirements.

5.2.4 High Speed Line Printer. The high speed line printer shall provide a minimum of 1200 lines of text per minute or the equivalent of at least 19 ppm. The high speed line printer shall support standard (8½" X 11") and wide (14" X 11") continuous fan fold paper with up to four carbon copies.

**5.3 Scanners.** The scanners should be line switchable to operate at sites with 120 VAC ±10% at 60 Hz and 220 VAC ±10% at 50 Hz using local commercial grade power. Separate 120 VAC and 220 VAC devices can be specified if the device is not line switchable. The 120 VAC device shall meet FCC's CFR 47 Part 15, Subpart J, class A (USA) for RFI/EMI and UL 1950 for electrical safety. The 220 VAC device shall meet CISPR 22 class B (International) standards for RFI/EMI, IEC 950 (Europe), and European Community CE (European EMC Directive 89/336-CE) certified.

5.3.1 Flatbed Scanner. The flatbed scanner shall provide a color optical resolution of 600 X 600 dpi with a 30-bit color depth. The flatbed scanner shall be capable of scanning and recognizing a whole 8½ by 14 inch sheet of paper with margins of ¼ inch on all sides. The scanner shall operate with the server's SCSI disk controller. The scanner shall be TWAIN compliant and include all equipment (cables, drivers, and software applications) needed to operate with the Microsoft Windows NT operating system. The flatbed scanner shall include an Optical Character Reader (OCR) package capable of scanning a document that contains a mix of text and images (e.g., figures, pictures, diagrams) and convert image to text and graphics formats that can be cut/pasted into office automation applications. The OCR shall also be capable of learning and converting new fonts into text.

5.3.2 Network Scanner. The network scanner shall provide a grayscale optical resolution of 300 X 300 dpi with a 8-bit grayscale depth. The network scanner shall be capable of scanning and recognizing a whole 8½ by 14 inch sheet of paper with margins of ¼ inch on all sides. The scanner shall have a 10/100BaseT LAN port. The scanner shall include all equipment (cables, drivers, and software applications) needed to operate with the Microsoft Windows NT operating system. The network scanner shall include an Optical Character Reader (OCR) package capable of scanning a document that contains a mix of text and images (e.g., figures, pictures, diagrams) and convert image to text and graphics formats that can be cut/pasted into office automation applications. The OCR shall also be capable of learning and converting new fonts into text.

## **6.0 Power Devices**

**6.1 Surge Suppressor/Power Strip.** A power strip with surge suppressor shall be provided for operation at 120 VAC  $\pm 10\%$  at 60 Hz and 220 VAC  $\pm 10\%$  at 50 Hz. For 120 VAC operation, the unit shall meet UL 1449 standard with a clamping voltage of 330 volts across all three lines.. For 220 VAC operation the unit shall meet the IEC 950 standard European Community CE (European EMC Directive 89/336 –CE) certified. The 220 VAC power strip with surge suppressor shall be for the countries of Germany, United Kingdom, Italy, Belgium and Japan. The 220 VAC units shall be configured with either separate power cords with a fixed molded plug for that specified country (each unit/power cord being a separate CLIN) or one unit (one CLIN) with all the required plug adapters for 220 VAC operation (Figure-10). Both 120 VAC and 220 VAC units shall have a power switch, power indicator, and six outlets.



Power Cord for each Country

Power Adapter for all Countries

**OR**

Country A

Country B

Country C

Each a Separate CLIN

One CLIN

Figure-10. Surge Suppressor/power Strip Options

**6.2 UPS.** The uninterruptible power supplies (UPS) shall operate at sites with 120 VAC  $\pm 10\%$  at 60 Hz and 220 VAC  $\pm 10\%$  at 50 Hz using local commercial grade power. The feed line shall be a single phase for the small and medium UPS and may be a split phase for the large and enterprise UPS. The output feeds of all UPS shall be single phase. The UPS shall be provided in four capacities and used to power a server configuration with monitor in the event of a partial or total power blackout. The transition from and return to commercial power shall not effect the operation of the unit, trigger a system reset, or trigger a degraded mode of operation. The UPS shall be SNMP manageable and be capable of initiating automatic shutdown of systems. The UPS shall include necessary software and cables to fulfill network management and automatic shutdown requirements. Separate 120 VAC and 220 VAC devices can be specified if the device is not line switchable. The 120 VAC device shall meet FCC's CFR 47 Part 15, Subpart J, class A (USA) for RFI/EMI and UL 1950 for electrical safety. The 220 VAC device shall meet CISPR 22 class B (International) standards for RFI/EMI, IEC 950 (Europe), and European Community CE (European EMC Directive 89/336 -CE) certified.

Uninterrupted Power Supply	V/A	Watts
Small UPS	700	450
Medium UPS	1400	940
Large UPS	3000	2400
Enterprise UPS	5000	3500

Table-25. UPS Power Requirements

**7.0 Software** All software products shall be 32-bit software packages and be year 2000 compliant in accordance with definition provided in Part C paragraph C.5 . For software specified in this section, refer to platforms specified in section 2 and clients to section 4. All software shall include official manufacturer's licenses (certificate of authenticity). The certificate of authenticity is required so that Government users have a hard copy method of tracking software licenses and being able to provide proof of ownership of those products during audits/inspections. All software CLINs/SLINs shall be available on the contract for factory installation, for installation on equipment purchased previously from the IS-1 contract, and installation on third party hardware (i.e. separately orderable). Software is not required to be made available for leasing in a stand alone mode; leased software may be limited to provision as a part of a leased system.

## 7.1 Network Applications

7.1.1 Network Operating Systems. Two unique network operating systems (NOS) shall be provided to support the server (section 2) and managed PC (section 4) platforms. The operating systems for both NOSs shall be the same products proposed in paragraph 2.5 as the server operating systems (Microsoft Windows NT Server and UNIX). The network operating system shall provide print server, file server, electronic mail, and system administration capabilities. The network operating systems shall be provided as a base server package with documentation and licenses for 10 and 25 clients. Additional client licenses shall be orderable on a per client basis depending on quantity of users licenses required (Table-26). The base package addresses a variety of features (e.g., e-mail, management tools, clustering application) which will be evaluated as a single product. The base package shall also include the server operating system. The base packages shall include a full set of documentation and media (e.g., CDROM, floppies) for both the server and clients. The additional clients shall be licenses only (no documentation or media required for additional client licenses).

Base Package	Additional Clients
Base Package w/ 10 Client	
	11-25 Clients (Per Client)
Base Package w/ 25 Clients	
	page intentionally left blank
	100-249 Clients (Per Client)
	250 and more Clients (Per Client)

Table-26. NOS Package and Additional Client Licenses

The network operating systems shall also support the network interface cards specified in section 9.1. The network operating systems shall include the internet protocol suite (TCP/IP) with Telnet, FTP, and SMTP applications.

Electronic Mail. The network operating system shall include an electronic mail package capable of executing both Simple Mail Transfer Protocol (SMTP) and X.400 message transfer agent (MTA) tasks. The Simple Mail Transfer Protocol (SMTP) shall be compliant with the DDN interoperability requirements in RFC 821, 'Simple Mail Transfer Protocol,' and the text message format described in RFC 822, 'Standard for the Format of ARPA- Internet Text Messages'. SMTP service shall support domain names. The X.400 electronic mail shall consist of separate message handling systems and user agent applications. The message transfer agent shall be compliant with CCITT X.400 Message Handling System, 1988 and include CCITT X.402, X.407, X.411, X.413, X.419, and X.420. The User Agent/Remote User Agent (UA/RUA(88)) shall be compliant with MHS(88) as specified in CCITT X.400, 1988 recommendations including CCITT X.400, X.411, and X.420. The MHS(88) shall also conform to part 8 of the Workshop Agreements. For use with the X.400 electronic mail package, the Directory Services shall be compliant with ISO 9594 and the recommendation CCITT X.500 standard including X.501, X.509, X.511, X.518, X.519, X.520, and X.521. The electronic mail package shall also include POP-3 support. The Windows NT Server version of the electronic mail package shall be capable of being converted to X.400 Defense Messaging System (DMS) compliant operation with the addition of a DMS certified module. The vendor shall commit to performing the factory installation of the DMS certified module (Windows NT Server version) upon request of the Government, at no additional cost.

Electronic Mail Gateway. The network operating system shall include an Email gateway between X.400 and SMTP protocols.

Local Area Network Management Tools. The network operating systems shall include LAN management tools that support software distribution, hardware and software inventory, LAN security (e.g., password administration, resource control), reporting capabilities, remote control of platforms, data backups with TBU, auditing of specified activities, task automation, intranet management, and policybased management.

Cluster Application. The network operating system shall include a clustering application capable of automatically implementing failover procedures between two servers in the event of a malfunction. The cluster application shall be used in conjunction with the differential and fiber channel cluster kit.

Network File Services (NFS). The network operating system shall include a NFS protocol package compliant with RFC 1094.

7.1.2 Enterprise Systems Management Tools. Two enterprise system management tools (one per

NOS) with documentation and media shall be provided to support resources across both LAN and WAN environments. The enterprisesystems management tools shall be defined in two functional areas; network management and systems management. These functional areas may be addressed by a variety of integrated modules, but will be evaluated as a single product. The enterprise systems management tools shall be provided as a base package with licenses for 100 and 250 clients/nodes. Additional client/node licenses shall be orderable on a per client/node basis depending on quantity of users licenses required (Table27). The enterprise systems management tools shall manage an environment of 100500 nodes. The enterprise systems management tools must be expandable to several thousand nodes as requirements for managed environments increase (the expansion will be added as the requirement is clarified). The enterprise system management tools shall support distributed managementso that resources can be accessed and controlled by any authorized operator on any workstation at any site.

Base Package	Additional Clients/Nodes
Base Package w/ 100 Client/Nodes	
	101-249 Clients/Nodes (Per Client)
Base Package w/ 250 Clients/Nodes	
	251- 499 Clients/Nodes (Per Client)
	500 and more Clients/Nodes (Per Client)

Table-27. Enterprise Systems Management Tools and Additional Clients/Nodes

Network Management Functions. Network management shall provide a hierarchical geographic on-screen displays of network (LAN and WAN) topology and provide a means to monitor and control network objects. Network management shall monitor traffic and detect network errors. This information shall be processed into a meaningful form to monitor performance, warn of problems, isolate problems, and restore operation. Based on historical data the network management system shall be able to predict future network trends and assist in the planning and fielding of resources. The network management shall support heterogeneous network protocols and permit the moving, adding, configuration, and removing of devices and circuits as well as modifying information routes. The network management shall provide network security (password administration), multilevel access, data encryption, audit trail (log of security breaches) and resources allocation and monitoring.

Systems Management Functions. System management shall provide automatic scans for and collection of hardware and software configuration information (e.g., DMI ), software distribution,

hardware and software inventory, software metering, reporting capabilities, remote control, auditing, backup and storage management, internet/intranet management, network/resource management and analysis. The software distribution and inventory shall include distribution, installation, and deinstallation of system-level and application-level software to multiple locations simultaneously from a central point. The software distribution and inventory shall provide customizable distribution schedules, heterogeneous network protocols, diverse operating systems, and both push and pull distribution modes. Systems management shall provide auditing and tracking of software distributed by the package and enable organizations to identify and monitor software installed in a particular network, whether or not it was installed by the software distribution and inventory package. Systems management shall provide backup and archive facilities featuring support for encryption, compression, version and time control, and vaulting. Full, partial, and incremental backups to multiple media types located throughout the network shall also be provided. The system management shall automatically detect and archive data before you run out of disk space and transparently restores the files when you need them. The system management shall provide performance monitoring, warn of problems, isolate problems, and restoration of system operations. The system management shall provide a trouble ticket system which logs, monitors, and flags trends with user/system problems. The system management shall provide print management functions.

**7.2 Client/Server Applications** Each client/server suite shall not require the purchase of a supplementary application to run the proposed suite (e.g., the document management application shall not require a groupware application to function). Each application may consist of multiple products. Where common data exists between applications, the various proposed client/server applications are expected to provide a method of importing/exporting data. The base packages shall include a full set of documentation and media (e.g., CDROM, floppies) for both the server and clients. The additional clients shall be licenses only.

**7.2.1 Office Automation Software.** Two office automation (OA) software packages shall be provided (one for each NOS). The OA packages shall consist of word processing, spreadsheet, and business graphics applications. The server shall be the central management point for the OA packages and execution of the applications shall occur on managed PCs. OA package shall be a suite of products capable of exchanging information. The OA package shall be provided in base server package with documentation, media, and 5 & 25 client licenses. Additional client licenses shall be orderable on a per client basis depending on quantity of user licenses required.

Example: A Government user wants to procure this package for an office of 102 people. The order would consist of one OA package w/ 25 clients plus the 77 additional client licenses (77 times the unit price found in the 100-249 client CLIN).

<b>Base OA Package</b>	<b>Additional Clients</b>
Base OA Package w/ 5 Client	
	6-25 Clients (Per Client)
Base OA Package w/ 25 Clients	
	26- 99 Clients (Per Client)
	100-249 Clients (Per Client)
	250 and more Clients (Per Client)

Table-28. OA Package and Additional Client License

Word Processor. The word processor shall be used to generate many types of documents from single page memos and letters to multipage complex reports. The word processor shall be capable of creating compound documents which include word processing text, spreadsheets, business graphs, and data processing files (e.g. source program files, data files, database files, and print files). The word processor shall include a word spell checker, thesaurus, and grammar checker. The word processor shall provide multiple fonts and WYSIWYG. The word processor shall provide the capability for a user to view and edit at least 2 documents concurrently on the same screen. The word processor shall use similar commands for copying and moving documents and parts of documents (including calculations, line drawings and highlighted functions) between other office automation applications.

Spreadsheet. The spreadsheet shall be used for such activities as trend analysis, financial analysis, and time keeping. These spreadsheets shall contain text, numbers, functions, and formulas, and should generate a variety of graphs. The spreadsheet application shall provide at least 1000 rows and at least 256 columns, and display the current row and column position. The spreadsheet application shall provide multiple windows to display multiple cell ranges from different portions of a single and multiple spreadsheet files and perform the full range of spreadsheet functions to include:

- a. Addition;
- b. Subtraction;
- c. Multiplication;
- d. Division;

- e. Integer function (convert real number to an integer);
- f. Absolute value calculations;
- g. Rounding;
- h. Combinations of the above.

The spreadsheet application shall provide capability for user to enter values, labels, and formulas directly into the cells on the worksheet and perform mathematical operations on integer and real numbers to include compare operations (i.e., greater than, less than, and equal), logical operations (i.e., AND, OR, and NOT), statistical operations (i.e., average, sum, minimum, maximum, standard deviation, and count). The spreadsheet application shall be capable of generating pie charts, horizontal & vertical bar charts, and line charts. The spreadsheet application shall also provide the capability for user to incorporate the spreadsheet charts into a composite document composed of spreadsheets, word processing documents and business graphics.

**Business Graphics.** The Business Graphics application will be used to produce briefing materials with text, free form drawings, and simple business charts as well as slide shows with text and advanced graphics. The business graphics application shall be capable of generating pie charts, horizontal & vertical bar charts, line charts, and text only graphics. The business graphics application shall include a variety drawing tools to edit and develop graphic images.

**7.2.2 Workflow Management Software.** The workflow management software shall be internet/web based application to be used within a client/server topology. The workflow management software shall only have to operate in a Windows NT environment clients running Windows. The workflow management software shall consist of three components; a development package, runtime package, and clients (Table 29). The development package shall include a graphically oriented flowchart development tool for the automated entry of business processes. The development package shall provide web server application development including Hyper Text Markup Language (HTML). The development package shall also allow for the connectivity to an independent (third party) SQL database in order to allow other applications and the workflow applications to share access to data.

Base Package	Clients
Workflow Development Package	
Workflow Runtime Package	
	1- And More Clients (Per Client)

Table-29. Workflow Package and Additional Client Licenses



The development package shall also be capable of implementing the following process functions:

- a. Routing work between people, roles and applications
- b. Sequential, parallel, conditional, rendezvous and rulebased routing
- c. Execute business rules based on business events, coordination between people, data, and external applications
- d. Maintain work assignments on a per business process, task or role basis and allows work re-assignment
- e. Maintain queues of work for either first-come, first-served or arbitrary assignment to individuals
- f. Provide built-in exception handling for events such as cancellation, late completion, change of dates
- g. Provide HTML form submission and processing support

Both the development and runtime packages shall include a deployment environment that provides a single point for the administration and management of workflow applications. Administration and management functions shall:

- a. Maintain and provide views of personal work on a per process, role or individual basis
- b. Provide status tracking of every piece of work
- c. Provide for initiation of work by people or applications
- d. Provide support for ad-hoc work flows
- e. Allow people to share work (even "on the fly") with team members and get comments without changing the process or routes
- f. Provide a list of available decisions to every user
- g. Provide list of work pending due to me and work due by me
- h. Provide agenda views such as work due by date, work overdue

The development, runtime, and clients packages shall include security features to protect the privacy of transactions between two entities conducting business via the Internet. The client package shall interface with standard web browsers.

7.2.3 Groupware. The groupware software shall operate with both proposed network operating systems. The groupware software shall be an internet/web-based application used within a client/server topology. The groupware software shall enable networked individuals and teams to collaborate on documents and exchange information. The groupware software shall consist of server and client components (Table30). The server shall be the central repository and

administration point of the application. The groupware software shall provide personal and group calendaring/scheduling, conferencing, task management, and public and private folders for exchanging and organizing threaded messages. The groupware software shall be able to replicate data at multiple sites and include control features to protect work simultaneously being worked on by multiple users. The groupware software shall include security features such as data encryption, discretionary access controls, and passwords.

<b>Base Package</b>	<b>Clients</b>
Groupware Development Package	
Groupware Runtime Package	
	1- And More Clients (Per Client)

Table-30. Groupware Package and Client Licenses

7.2.4 Document Management. The electronic document management application shall provide client/server solution for the electronic filing, retrieval, and archiving of compound documents (text, graphics, voice, video, CAD). The document management software shall consist of server and client components (Table-31). The electronic document management software shall operate within a Windows NT environment with clients running Windows.

<b>Base Package</b>	<b>Clients</b>
Document Management - Server	
	1- And More Clients (Per Client)

Table-31. Document Management Package and Client Licenses

The electronic document management application shall establish and maintain a filing system for significant and insignificant documents. Significant documents (records) are those determined to have legal, financial, operational, historical, and administrative value to the organization. These documents need to be identified, controlled, and preserved in order to conduct and document official Government business. Insignificant documents (non-records) are all other documents. Insignificant documents are generated in the conduct of official business, but they are those files determined by user as not needed as matters of record to document the transactions of the Government. The electronic document management application shall

- a. Store all significant documents in the central file;

b. Provide capability for a significant document to be copied from the central file, but shall not allow alteration of the central file document;

c. Provide a basic menu for filing and displaying the available files;

d. Provide user, upon request, the percentage of file space available;

e. Have the ability to produce a generic tape and disk file (one which is free of all coding instructions and has only raw information either formatted or unformatted) of any central file significant documents;

f. Provide an audit trail for all versions of each significant document and any significant documents linked to each significant document by reference;

g. Individually identify each significant document in the central file and automatically create an index entry which contains:

- (1) Individual document identifier,
- (2) Name or office of the creator,
- (3) Addressee(s),
- (4) Date of the document,
- (5) Subject of the document,
- (6) A set of keywords from the text of the document,
- (7) Retention period for the document,
- (8) Location and records archive status of the document;

h. Provide capability for user to enter documents into the system received via electronic transfer, input by scanning, and derived from other information within the system (e.g. a report generated from several data files and a word processing document);

i. Provide capability for user to search the index and identify documents by any field(s) in the index;

j. Upon inquiry, provide the number of significant documents on each file system, total current file size, disposition code by record, and historical and prior years' information by the same parameters;

k. Batch and mass expunge significant documents as they become eligible for destruction;

l. Only allow the system administrator to implement actual significant document destruction;

m. Transfer selected significant documents to another storage medium and computer systems;

n. Assign each significant document an appropriate disposition date. Disposition codes shall include:

(1) T (Temporary) = Destroy two years from 1 January following the year the document is dated,

(2) M (Middle) = Destroy eight years from 1 January following the year the document is dated,

(3) L (Long) = Destroy 20 years from 1 January following the year the document is dated,

(4) F (Fifty-six) = Destroy 60 years from 1 January following the year the document is dated,

(5) P (Permanent) = Retire to the National Archives (the volume of permanent significant documents will determine how often retirement takes place) while retaining a copy for reference,

(6) I (Indefinite) = Retain until an event or action (such as supersede, obsolescence, or completion of an action) renders the significant document useless, then destroy.

7.2.5 Client/Server RDBMS. Two client/server relational database management systems (RDBMS) shall be provided (one for each NOS). The C2 compliant client/server RDBMS shall consist of a relational database engine, data dictionary, SQL interface, screen formatter, report generator, and fourth generation language. The database engine shall be licensed for one platform with unlimited user access (provided user has client license). The items shall be provided as an RDBMS application development package, a RDBMS server package with no, 5, and 25 client licenses, and individual client licenses depending on quantity of user licenses required (Table 32). The RDBMS server package shall be executed on the proposed servers. The client applications shall be executed on the proposed managed PCs. All products shall appear to the user to be an integral part of the RDBMS.

Base Package	Clients
RDBMS Application Developer	
RDBMS Server Package (Runtime)	
	1-5 Clients (Per Client)
RDBMS Server Package w/ 5 Client	
	6-25 Clients (Per Client)
RDBMS Server Package w/ 25 Clients	
	26-99 Clients (Per Client)
	100-249 Clients (Per Client)
	250 and more Clients (Per Client)

Table-32. RDBMS Package and Additional Client Licenses

Relational Database. The relational database size shall be limited only by available disk space with a minimum of 1024 tables per database and 254 columns per table. The database shall support integer, character, floating point, logical, date, blob, and memo data types. The database engine

shall process requests for data and send only the results of the request to the client platform. The database shall provide concurrent access to the database by all licensed users. The database shall include database administration functions to control physical data storage, monitor and control system performance, monitor usage, collect performance tuning data and protect the database against damage and loss. The database shall also include an audit trail which records selected accesses to the database for purpose of security.

**Data Dictionary.** The data dictionary shall provide control over the RDBMS. If the data dictionary is “freestanding, and hence not dependent on the presence of other software” or “designed to co-exist with particular database management systems,” the data dictionary facility shall comply with FIPS 156 Information Resource Dictionary System. Data dictionaries embedded within the RDBMS are not governed by FIPS 156. The data dictionary shall be structured as tables and views and it shall provide the following information about the database:

- a. Database users;
- b. Database security;
- c. Names of database objects (e.g. tables, views, columns, constraints, indexes, synonyms, users, and space definitions);
- d. Primary and foreign key information;
- e. Object ownership;
- f. Audit information.

**SQL Interface.** The SQL level 2 language as defined in FIPS 1271, Database Language SQL, shall be provided for data definition(including access control), database control language, data manipulation language, and database definition language in both interactive and batch modes. The SQL shall have syntax and semantics which conform to FIPS 1271 and provide embedded SQL for Ada and C which conform to FIPS 127-1.

**Screen Formatter.** A screen formatter shall be provided for generation of formatted interactive screens for data entry, update, and query without requiring the user to learn and use a programming language.

**Report Generator.** A report generator shall be provided to generate formatted reports and screen displays in batch and interactive mode without requiring user to learn and use a programming language.

**Fourth Generation Language.** The 4GL shall be used for application development. The 4GL shall support SQL in accordance with FIPS PUB 127-1. The 4GL shall interface with the screen formatter and report generator. The 4GL shall use the data dictionary for data definitions, synonyms, database structure, and other pertinent media data. The 4GL shall also be able to access and execute relocatable object code modules generated by 3GL programming languages.

7.2.6 Video File Application. The video file application shall operate within a Windows NT environment with clients running Windows. The video file application shall provide on-demand video of live and recorded (MPEG-1, Indeo, Quicktime, Cinepak, DVD) videos. The video file application shall support both unicast and multicast transmission. The video file application shall contain tools for the distribution and management of video over the internet and database tools for the archival and retrieval of videos. Any proprietary protocols shall be encapsulated to ensure operation of product over TCP/IP network. The video file application shall be provided as a video file development application and a video file runtime application. Client applications required to view the video shall be orderable on a per client basis depending on quantity of user licenses required (Table-33). The client applications shall be executed on managed PCs.

Base Package	Clients
Video File Development Application	
Video File Runtime Application	
	1-And More Clients (Per Client)

Table-33. Video File Application and Additional Client Licenses

7.3 Compilers. Each compiler shall include documentation.

7.3.1 Ada Compiler. Two Ada compiler packages shall be provided (one for each OS). The Ada compiler with utilities and library shall conform to FIPS PUB 119 and interface with the relational database management system. The Ada compiler shall include debugger, source code editor and formatter, linker/library manager, and cross-reference tools. The Ada compiler shall also include the Ada Programming Support Environment (APSE) and be a validated Ada compiler.

7.3.2 C Compiler. Two C compiler packages shall be provided (one for each OS). The C compiler shall conform to FIPS 160 and ANSI X3.159-1989 and shall interface with the relational database management system. The C compiler shall include debugger, source code editor and formatter, linker/library manager, and crossreference tools.

## **8.0 Cables, Connectors, and Equipment Cabinets.**

**8.1 10Base2 (Figure 11).** The following separately orderable items shall be used for the installation of 10Base2 networks. Figure 11 is intended to show the relationships between various 10Base2 components. The diagram is not intended to convey any preferred technology solution.

8.1.1 RG-58 Cable. The contractor shall provide both PVC and plenum rated RG58 a/u or RG-58 c/u, 50 ohms, stranded tinned core cable in the following lengths. The cables shall be terminated with BNC connectors.

PVC	25 feet
	50 feet
	100 feet
	250 feet
	Connectors + cost per foot
Plenum	25 feet
	50 feet
	100 feet
	250 feet
	Connectors + cost per foot

Table-34. RG-58 Cables

8.1.2 Bulk Length Cable. The contractor shall provide both PVC and plenum rated RG58 a/u or RG-58 c/u, 50 ohms, stranded tinned core cable in lengths of 500 and 1000 feet.

PVC	500 feet
	1000 feet
Plenum	500 feet
	1000 feet

Table-35. Bulk RG-58 Cable

8.1.3 BNC Connectors. The BNC connector for PVC and Plenum cable shall contain all items necessary to terminate the specified cable with a BNC connector.

8.1.4 BNC Tee Connector. The BNC Tee connector shall be used to attach 10Base2 attach 10Base2 devices to the 10Base2 LAN cable.

8.1.5 BNC Barrel Connector. The BNC barrel connector shall be used to connect two cable segments together.

8.1.6 BNC Terminator Kit. The BNC terminator kit shall consist of two 50 ohm BNC terminators

8.1.7 BNC Transceiver. The BNC transceiver shall connect a DB15 AUI to a BNC connector. The BNC transceiver shall have switch selectable signal quality error (SQE) capability and jabber protection.

Figure 11. 10Base2 Network Components

**8.2 Twisted Pair (Figure 12).** The following separately orderable items shall be used for the installation of high speed twisted pair networks. Figure 12 is intended to show the relationships



between various twisted pair components. The diagram is not intended to convey any preferred technology solution.

8.2.1 Unshielded Twisted Pair (UTP) Link Segments. The UTP patch cables shall be an enhanced category 5 (21 dB ACR at 100 MHz), 4 pair cable with stranded conductors, and provided in the following lengths. The UTP patch cables shall be provided in 8 different colors, wired in accordance with EIA/TIA 568B wiring standard, and have RJ-45 connector with color boot covers on both ends.

NOTE: ACR - Attenuation to Crosstalk Ratio

UTP Patch Cables in 8 different Colors	1.5 feet
	3 feet
	6 feet
	15 feet
	Connectors + cost per foot

Table-36. UTP Patch Cables.

8.2.2 Bulk Unshielded Twisted Pair Cable. The bulk UTP cable shall be an enhanced category 5 (21 dB ACR at 100 MHz), 4 pair cable with solid conductors, and be provided in both PVC and plenum rated. The bulk UTP cable shall be used for applications such as 10/100BaseT, 55/155 Mbps ATM, 622 Mbps ATM, and 1000BaseT. The PVC jacketed cable shall be provided in 4 different colors in reels lengths of 500 and 1000 feet. The plenum rated cable shall be provided in 2 different colors in reels lengths of 500 and 1000 feet.

Bulk PVC Cable in 4 different colors	500 feet
	1000 feet
Bulk Plenum Cable in 2 colors	500 feet
	1000 feet

Table-37. Bulk UTP Cable.

8.2.3 RJ-45 Modular Plugs. The RJ-45 connector for use with the bulk UTP cable (8.2.2) shall be separately orderable items in packages of 10 and 100. The RJ45 connector shall support category 5 operation

8.2.4 Crossover UTP Link Segments. The crossover UTP patch cables shall be an enhanced category 5 (21 dB ACR at 100 MHz), 4 pair cable with stranded conductors, and provided in the following lengths. The UTP patch cables shall be provided in 4 different colors, wired in accordance with EIA/TIA 568B wiring standard, and have RJ45 connector with color boot covers on both ends.

Crossover UTP Patch Cables in 4 different colors	1.5 feet
	3 feet
	6 feet
	15 feet
	Connectors + cost per foot

Table-38. Crossover UTP Patch Cables.

8.2.5 Patch Panels. The patch panels shall support category 5 operation and attach to 19" panel mounts. The patch panels shall be provided in 24 and 48 port configurations.

8.2.6 Punch Down Block. The punch down block shall have twelve RJ45 connectors cross connected to connector clips. The connector clips shall support both 22 and 24 AWG solid conductors. The punch down block shall support category 5 operation.

8.2.7 RJ-45 Wall Outlet. The RJ-45 wall outlet shall provide for the termination of bulk cable and connection of UTP link segment. The wall outlet shall support category 5 operation

8.2.8 Punch Down Block Tool. The punch down block tool shall be used to terminate cable to the specified punch down block. The punch down block tool shall include two blades.

8.2.9 Replacement Blades. The replacement blades shall be separately orderable items in packages of 5 for the punch down block tool specified above.

8.2.10 Twisted Pair Transceiver. The twisted pair transceiver shall connect a DB15 AUI to a RJ-45 connector.

Figure 12. Twisted Pair Network Components

Note: Where paragraph cite in Figure 12 differ from text, rely on text.







8.3.6	Base to Plant Fiber Optic Cable. The base to plant fiber optic cable shall be provided in a single conduit with a minimum length of 100 feet. The conduit shall be installed in a trench with a minimum depth of 18 inches. The conduit shall be installed in a trench with a minimum depth of 18 inches. The conduit shall be installed in a trench with a minimum depth of 18 inches.	100 feet	Per foot
8.3.7	Single Mode Fiber Optic Cable. The single mode fiber optic cable shall be provided in a single conduit with a minimum length of 100 feet. The conduit shall be installed in a trench with a minimum depth of 18 inches. The conduit shall be installed in a trench with a minimum depth of 18 inches. The conduit shall be installed in a trench with a minimum depth of 18 inches.	100 feet	Per foot
8.3.8	Single Mode Fiber Optic Cable. The single mode fiber optic cable shall be provided in a single conduit with a minimum length of 100 feet. The conduit shall be installed in a trench with a minimum depth of 18 inches. The conduit shall be installed in a trench with a minimum depth of 18 inches. The conduit shall be installed in a trench with a minimum depth of 18 inches.	100 feet	Per foot
8.3.9	Fiber Optic Patch Panel. The fiber optic patch panel shall be provided in a single conduit with a minimum length of 100 feet. The conduit shall be installed in a trench with a minimum depth of 18 inches. The conduit shall be installed in a trench with a minimum depth of 18 inches. The conduit shall be installed in a trench with a minimum depth of 18 inches.	100 feet	Per foot
8.3.10	Fiber Optic Transceiver. The multi mode fiber optic transceiver shall be provided in a single conduit with a minimum length of 100 feet. The conduit shall be installed in a trench with a minimum depth of 18 inches. The conduit shall be installed in a trench with a minimum depth of 18 inches. The conduit shall be installed in a trench with a minimum depth of 18 inches.	100 feet	Per foot
8.3.11	Fiber Optic Splice Tray. The fiber optic splice tray with cover shall be provided in a single conduit with a minimum length of 100 feet. The conduit shall be installed in a trench with a minimum depth of 18 inches. The conduit shall be installed in a trench with a minimum depth of 18 inches. The conduit shall be installed in a trench with a minimum depth of 18 inches.	100 feet	Per foot
8.3.3	Outside Plant Fiber Optic Cable. The outside plant fiber optic cable shall be provided in a single conduit with a minimum length of 100 feet. The conduit shall be installed in a trench with a minimum depth of 18 inches. The conduit shall be installed in a trench with a minimum depth of 18 inches. The conduit shall be installed in a trench with a minimum depth of 18 inches.	100 feet	Per foot
	Single Mode to ST Cable (Plastic)	3 feet	Per foot <sup>(1)</sup>
	12- Strand Fiber	6 feet	Per Foot <sup>(1)</sup>
	18- Strand Fiber	12 feet	Per Foot <sup>(1)</sup>
	Connectors + cost per foot	500 feet	cost per foot

Table 39. Fiber Optic Patch Cables.

**8.3.2 BULK CO. Cable.** Bulk Single mode and 63.5/125 micron OM4 cables shall be provided in both provided. Plenum rated connectors shall be provided. The connectors shall be packaged with 10 reels of 500 and 1000 feet supplies.

8.3.5 SC Connectors. The SC connectors for single mode and multi mode FO cable shall be provided. Crimp type connectors are not acceptable. The connectors shall be packaged with 10 connectors and necessary supplies.











































**MODIFICATION P00020**  
**DAAB15-99-D-0001**  
**PART D-1**

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21.9 Lease Discontinuance And Return Of Equipment. Upon written notice prior to expiration of the Lease Term, the Government may:

- a. Exercise any purchase options set forth in the Lease;
- b. Renew the lease (up to a three year maximum total lease term);
- c. Return the equipment to contractor at the expiration date of the Lease.

Within thirty (30) days after the date of termination for convenience of the Government or non-renewal of the Lease Agreement, the Government shall, at its own risk and expense, have the equipment packed for shipment using suitable packing material and shall return the equipment to the contractor in the same condition as when delivered, ordinary wear and tear excepted. Upon request by the Government and at the Government's expense, the contractor shall assist in the deinstallation, packing, and shipping of equipment so terminated or non-renewed through the use of contractor installation services (paragraph 11.12) and the Other Direct Cost CLIN; request shall be accomplished by means of a task order.

Additionally, the Government reserves the right to terminate any lease arrangement upon issuance of a 30 calendar day written notice to the Contractor. Any lease termination expenses shall be accomplished pursuant to the Termination provisions of this contract (see FAR 52.2124) as administered by the Ordering Contracting Officer.

## **22. Delivery.**

22.1 Delivery Requirements. Acceptance period for an order shall not exceed five (5) calendar days with delivery required within twentyfive (25) calendar days for CONUS (forty-eight contiguous states, Alaska, Hawaii, and the District of Columbia) and OCONUS (Germany, Italy, Korea, Panama, United Kingdom, Belgium, and Japan) sites. During year-end surge period (orders signed in August and September) delivery for CONUS and OCONUS sites shall not exceed forty (40) calendar days after the acceptance period. The acceptance period commences on the day that the Contractor accepts the order. If the Contractor accepts the order on day 3 of the acceptance period, day 1 of the delivery period commences that same day. Partial deliveries may be made only if authorized by the Ordering Contracting Officer.

Delivery of wireless solutions products (CLIN 1038) to the address(es) specified in each delivery order shall be within 90 days from the date the order is accepted by the Contractor. Exceptions for the months of August and September: None.

Remote OCONUS (OCONUS sites other than Germany, Italy, Korea, Panama, United Kingdom, Belgium, and Japan) shall have an acceptance period not to exceed five (5) calendar days with delivery required within forty (40) calendar days for both surge and non-surge periods.

## 22.2 Delivery Capabilities.

Delivery of orders signed during August and September are considered “a surge requirement”, therefore, reference to surge requirements in this contract pertain to delivery during this timeframe.

22.3 Delivery Responsibilities. Coordination and scheduling of shipment delivery is the responsibility of the ordering activity. Shipping is Free On Board (FOB) at Destination. Commercial shipping is required, in lieu of developing a shipping mechanism reliant upon Government personnel intervention. The contractor is responsible for payment of all shipping costs.

Due to the security limitations in South Korea and delays associated with custom clearance, limited SOFA will be included for that country to enable contract performance.

In accordance with DFARS 252.225-7021 and 225.603, the offered price of qualifying country end products, designated country end products, NAFTA country end products, and Caribbean Basin country end products for line items subject to the Trade Agreements Act or the North American Free Trade Agreement Implementation Act, should not include custom fees or duty. IAW DFARS 225.602, DOD will issue duty-free entry certificates to enable the contractor to coordinate for customs clearance and to obtain exemption from applicable taxes and duties. In Korea, the contractor shall coordinate the customs exemption certificate with both the US Customs Office and the Korean Customs Office in order to obtain exemption from applicable customs, duties and taxes.

22.4 Logistics Support Privileges and Technical Expert Status. The Government shall provide (in South Korea only) Status of Forces Agreement (SOFA) privileges for personnel performing contract services, as detailed in that portion of the FAR 52.212-4 addenda addressing Invited Contractor or Technical Representative Status Republic of Korea, Technical Representative SOFA benefits, and Logistics Support. Technical Representative approval for the term of the contract and the duration of the equipment warranty has been obtained for ROK (Only).

Upon award of the contract, the Contractor shall submit a letter identifying proposed technical experts for designation in South Korea. The letter shall include the names, social security numbers, country of citizenship, passport numbers and planned in country arrival date, and be provided within five calendar days following notice to proceed. The contractor will notify the Government immediately upon change of eligibility for status or discontinuation of need.

Technical Representative Status for the Federal Republic of Germany or other locations may be requested subsequent to award if conditions necessitate. Until such time that technical representative status is requested and approved for other work locations, contract pricing and

performance commitments shall be based upon no technical representative status being granted other than in the Republic of Korea.

22.5 Late Delivery. The Contractor shall be considered late if it fails to deliver ordered items (excluding wireless solutions products (CLIN 1038)) within 25 days after Contractor acceptance of an order for CONUS and OCONUS locations during non-surge months. For CONUS and OCONUS Surge Months and Remote OCONUS, the Contractor shall be considered late if it fails to deliver ordered items (excluding wireless solutions products (CLIN 1038)) within 40 days after Contractor acceptance of an order. The Contractor shall be considered late if it fails to deliver wireless solutions products ordered under CLIN 1038 within 90 days after Contractor acceptance of an order for all locations during any month. Notwithstanding the delivery requirements of the contract as forth above, ordering contracting officers can negotiate expedited or delayed delivery. The following procedures shall apply to late deliveries

- a. Where the delivery is late, the Government is entitled to consideration for the late delivery. The Contractor shall provide, as a minimum, additional warranty.
- b. Late deliveries made between one (1) and thirty (30) calendar days late, where there is no contributing cause by the Government, the Contractor shall provide one (1) month additional warranty.
- c. Late deliveries made between thirty-one (31) and sixty (60) calendar days late, where there is no contributing cause by the Government, the Contractor shall provide two (2) months additional warranty.
- d. The contractor shall identify, in the Monthly Status Report, all orders that have the additional warranty.
- e. A delivery order modification will not be required for the additional warranty consideration identified in subparagraphs 2.5.b and c above.
- f. This provision does not preclude the Ordering Contracting Officer from seeking further consideration beyond the additional warranty period for any late deliveries should circumstances warrant such action. Additional consideration shall be effected by delivery order modification following negotiated agreement between the Ordering Contracting Officer and the Contractor."

**23. Expedited Delivery & On-Site Crisis Support.** The Contractor shall provide expedited delivery and on-site crisis support when requested by PM Small Computer Program. Only the PM



Small Computer Program shall be authorized to request expedited delivery; this request shall be coordinated through the ordering contracting officer.

**24. Other Direct Cost.** An Other Direct Cost (ODC) CLIN shall be provided to allow Government users to procure items and other support services required to complete installation of systems and other task order effort. Other direct costs shall only include those items / materials, permanent tools, travel, etc., incidental to and necessary for the completion of the engineering support service required, training requirements, and other task order effort. A Government right to title applies to all equipment items direct charged under the ODC CLIN.

**25. Travel Expenses.** Travel and per diem expenses should be in support of short term (not to exceed 6 months) engineering and support services, training requirements, lease services, and other support services. Long term engineering and support services should be provided through local hires.

**26. Support Of Foreign Military Sales Customers.** Delivery/Task Orders may be issued in support of Foreign Military Sales customer requirements; all required regulations and statutes shall apply to FMS agreements authorized under this contract. Agreements shall be documented on a Letter of Offer and Acceptance (LOA) (see DoD 5105.28-M, Security Assistance management Manual), which shall list items and services, estimated costs, contingent fees, offset arrangements, environmental requirements, international quality or government surveillance requirements, risk of loss, instructions any distribution of the contract financing payments, special terms, transportation instructions such as FMS case identifier, gross weight, and special marking instructions, conditions of sale, and contain signatory acceptance of the agreement by the foreign customer. Any reasonable and allocable costs of doing business with the particular foreign customer, not contained in the contract price shall be negotiated by the ordering contracting officer as part of the delivery/task order. A Federal Government fund citation on the order will be used.

**27. Start up Period.** The contract startup period is 60 calendar days commencing upon Government issuance of notice to proceed. During that period the contractor shall ship section 2.0 servers and section 4.0 managed PCs to Fort Huachuca for evaluation, provide listings of additional catalog items to be considered for addition to the ordering guide/catalog, develop ordering guide and web site, secure required engineering and support services personnel, provide personnel/information so that logistics support privileges (South Korea only) can be finalized, coordinate for security clearances (interim clearances will be requested until final clearances are issued, if required), meet with TIC representatives for a 2-day period to develop a task list to be used in support of /responding to user task order requirements for design, implementation, and management, identify the specific product descriptions for all CLINS not already described beyond the generic nomenclature in the awarded contract, establish telephonic support, and establish ability to support Electronic Commerce/Electronic Data Interchange (EC/EDI). Shipment of the specified section 2.0 servers and section 4.0 managed PCs to Fort Huachuca for evaluation shall be

accomplished by the contractor, the government will not issue a delivery order for the equipment; the government will return the equipment to the contractor at the conclusion of the evaluation. Delivery orders shall be accepted by the Contractor at the conclusion of the 60 calendar day period following issuance of the notice to proceed.

**28. Postaward Conference.** The Contractor agrees to attend a postaward conference convened by the contracting activity or contract administration office in accordance with Federal Acquisition Regulation Subpart 42.5.

**29. Notice To Proceed.** The Contractor shall take no actions on this contract, or incur any costs, without the Contracting Officer's official notice to proceed. It is anticipated that this notice to proceed will generally be issued when the Contracting Officer determines that there is no threat of protest. All delivery dates based upon "days after effective date of contract" shall be interpreted as "days after receipt of notice to proceed."

**30. Only New Equipment and Reconditioned Parts.** Only new equipment shall be delivered under this contract. The Contracting Officer will not grant approval for used or reconditioned equipment. Components of such equipment may be reconditioned provided such components are drawn from stockage which does not differentiate between new and reconditioned components.

**31. Licenses.**

(1) Software and software documentation delivered under this contract shall be subject to the terms of this clause and the governing commercial product license, to the extent the latter is consistent with Federal law and FAR 12.212. Notwithstanding the foregoing, the commercial product license shall apply only if a copy of the license is provided with the delivered product. In the event of conflict between this clause and the commercial software product license, this clause (31.1 through 31.6) shall govern.

(2) All software shall be licensed and priced for use on a single computer or for use on any computer at a particular site.

(3) The license shall be in the name of the U. S. Government.

(4) The license shall be perpetual (also referred to as a nonexclusive, paid up, world-wide license).

(5) Software and software documentation shall be provided with license rights no less than rights provided with the software and the software documentation when sold to the public.

(6) The license shall apply to any software changes or new releases.

**32. Release of Contract.** The contractor agrees that subsequent to issuance of the notice to proceed (pursuant to paragraph 29 above), the Government may post an electronic copy of this contract, on the CECOM Acquisition Center- Washington Operations Office's World Wide Web (WWW) and other Government web-sites with unlimited access thereto.

**33. Exemption from the Service Contract Act of 1965.** This contract has been determined to be exempt from the Service Contract Act of 1965 in accordance with criteria set forth in 29 CFR Part 4.123 (e)(1)(i). If the Department of Labor determines at a later date that the exemption is not applicable, the contract will become subject to the Service Contract Act effective the date of the DOL determination and corrective procedures as outlined in 29 CFR Part 4.5(c)(2) will be followed to modify the contract accordingly by equitable adjustment.

**34. Security Requirements.**

34.1 Personnel Clearances. Some tasks under this contract may involve work in areas/ facilities requiring classified access. The Contractor shall support task orders that require the contractor personnel to have a security clearance of SECRET. In addition, access to TOP SECRET (TS) and Sensitive Compartmented Information (SCI) shall be required for the performance of some tasks (clearance must be in place prior to commencement of work). Classified work shall be performed in accordance with the Security Requirements clause and DD Form 254 requirements of this contract and the individual task order. Personnel for all skills must be ready to start performing work not later than the end of the contract start-up period.

34.2 Military Installation Security. When contract performance is required on a military installation, the Contractor shall comply with the National Industrial Security Program Operating Manual DOD 5220.22-M and the COMSEC Supplement to DOD 5220.22-M and the attached DD 254.

Performance under this contract may require increased Contractor responsibilities related to security while performing on military installations. Changes to the security requirements of the contract may be made pursuant to the Changes Clause in Part C of the contract. If such changes result in an increase or decrease in the contract price, the equitable adjustment shall be negotiated in accordance with the Changes clause. This provision shall be placed in any subcontracts involving access to military installations.

34.3 Security Inspections. The Government reserves the right to conduct unannounced security inspections of the Contractor's work facilities. These inspections, if made, shall be accomplished by either Department of Defense Agencies or other Federal Agency, as appropriate.

**35. Engineering Changes.**

a. In accordance with the clause entitled "Current Technology Substitutions", the Contractor must propose commercially announced technological substitutions. In addition, the Contractor is encouraged to propose, independently, engineering changes to equipment, software, or other contract requirements irrespective of commercial announcement. These changes may be proposed for reasons of immediate economy, or to improve performance, to save energy, personnel, or to meet increased data processing requirements, and so reduce project life cycle costs.

b. This clause applies only to those proposed changes initiated by the Contractor and identified as a proposal submitted pursuant to the provisions of this clause. As a minimum, the following information shall be submitted by the Contractor with each proposal:

(1) A description, in detail, of the difference between the existing contract items and/or services and those proposed, and a specific analysis of the comparative advantages and disadvantages of each.

(2) Specific items or services contained in the contract which must be changed if the proposal is adopted, e.g., if new equipment is offered to replace currently installed, will the old be exchanged for the new, and on what basis.

(3) A statement as to how the changes will affect technical requirements, costs, etc., if adopted.

(4) The analysis of a timeframe in which the change should be instituted so as to obtain maximum benefit to the Government for the remainder of the contract.

(5) Evidence of ISO status compliance for new OEM equipment solutions.

(6) Trade Agreement Act Certification.

(7) A minimum of three competitive price comparisons for each new product proposed.

(8) OEM notice of product discontinuance, where applicable.

c. The decision of the contracting officer as to the acceptance of any such proposal under this contract shall be final and not subject to the "Disputes" clause of this contract.

d. Acceptance of any engineering change proposal submitted pursuant to this clause shall be made by issuance of a written modification to this contract. Unless and until such a

modification is issued to the Contractor, the Contractor remains obligated to perform in accordance with the terms of the existing contract.

e. If a change proposal submitted pursuant to this clause is accepted and applied to this contract, either the Contractor or the Government may be entitled to an equitable adjustment in the contract price. When the cost of performance of this contract is either increased or decreased as a result of the change, the equitable adjustment increasing or decreasing the contract price shall be in accordance with the "Changes" clause rather than under this clause but the resulting contract modification shall state that it is made pursuant to this clause. In those cases when the entitlement to equitable adjustment is essentially equal between the parties there may be no increase or decrease in the contract amount.

f. All proposed prices for Current Technology Substitutions, Technology Insertions, and Additions shall include the PM SCP 1 percent FFS in the proposed price.

### **36. Current Technology Substitutions.**

a. The Contractor, upon commercial announcement of new components that can be technically and economically substituted for items listed in Part B of this contract, shall offer said items for enhancement, addition or replacement.

(1) Product **enhancements** are replacements of items set forth in Part B due to technology enhancements of those products. The product enhancement shall exceed the requirements of the approved products listed in Part B, provide better performance than the existing product as documented by commercial literature for such enhancements, and be offered at the same or lower price than the price provided in Part B.

(2) Product **additions** are new technology, that was unavailable or uneconomical at time of contract award. The product additions shall be within the general scope of Part D and be processed as a change in accordance with the "Engineering Changes" clause of this contract. The Contractor shall be required to solicit a minimum of three competitive quotes, including supporting documentation, on each addition proposed. If three competitive quotes are unavailable, the Contractor shall provide justification for sole source procurement.

(3) Product **replacements** are Part B items replaced due to discontinued products. The replacement shall meet or exceed the requirements of the approved products listed in Section B, provide at least equivalent or better performance than the existing product as documented by commercial literature for such replacements, and be offered at the same or lower price than the price provided in Section B for the product to be replaced. Should the Contractor, through no fault of its own, be unable to supply an acceptable replacement, the Government and the Contractor shall proceed as mutually agreed.

b. Technology substitution shall be accomplished by means of a contract modification. In no event will the prices for the particular item be in excess of the lowest available GSA ADP Schedule price. The Contractor shall not be reimbursed for proposal preparation costs for changes as described above. The offers shall be supported by the information required by paragraph b(1) through (8) of the "Engineering Changes" Clause. The decision to accept such offers shall be at the sole and exclusive discretion of the procuring contracting officer and not subject to the "Disputes" clause of this contract.

c. All proposed prices for Current Technology Substitutions, Technology Insertions, and Additions shall include the PM SCP 1 percent FFS in the proposed price.

**37. Control of Government Issue Badges, Identification Cards, Passes, and Vehicle Registration Media.**

a. Government issuance of badges, identification cards, passes and vehicle registration media are accountable forms and, as such, are U. S. Government property to be accounted for, protected and returned. In case of loss, the Contractor is responsible for immediately reporting, in writing, loss of any said form to the contracting officer or his/her authorized representative.

b. At the termination or completion of the contract, upon expiration of badges, passes, etc., (if expirations are specified), or upon completion of performance of contractual tasks that required the issuance of such badges, passes, etc., the Contractor shall insure that all Government issued badges, identification cards, passes and vehicle registration media for employees and subcontractor's employees are turned in to the contracting officer or his/her authorized representative.

c. Failure to comply with these requirements may result in withholding all or part of final payment until compliance is effected.

**38. Permits and Licenses.** The Contractor shall obtain (with COR coordination) all necessary permits and licenses and shall obey and abide by all applicable laws, regulations, and ordinances of the United States of America and of the state, territory, or subdivision thereof, wherein the work is done, or of any other jurisdiction.

**39. Safeguards.**

a. Appendix J of Army Regulation 380-380, Automation Security outlines the rules of conduct for Contractors and their employees which must be followed with regard to privacy safeguards. The Contractor, in performance of this contract, may come in contact with a system of

records that fall within the purview of the Privacy Act of 1974. The Contractor must employ safeguards to insure privacy of this information.

b. In the event that new or unanticipated threats or hazards are discovered by either the Government or the Contractor, or that existing safeguards have ceased to function, the discoverer shall immediately bring the situation to the attention of the other party. Mutual agreement shall then be reached on changes or corrections to existing safeguards or institution of new safeguards.

**40. Dissemination of Information.** There shall be no dissemination or publication, except within and between the Contractor and any subcontractors, of information developed under this contract or contained in the reports to be furnished pursuant to this contract without prior written approval of the contracting officer. Language similar to this provision shall be included in all subcontracts to this contract. This provision includes news releases.

**41. Small and Small Disadvantaged Business Subcontracting Plan.** As required by DFARS 252.219-7003 in Section C of the contract, the contractor's proposed subcontracting plan is hereby incorporated into the contract.

**42. Task Order Implementation.**

a. The Contractor shall support engineering and support service task orders issued on a firm fixed price basis, labor hour basis, and time and material basis, as negotiated with the Ordering Contracting Officer. A firm fixed price CLIN has been established for placing FFP task orders. Cost or pricing data may be required in support of post-award non-commercial changes, or in support of specific task orders where the Ordering Contracting Officer determines that exceptions to submittal of data do not apply.

b. Except for Government Furnished Property (GFP), Government Furnished Information (GFI), or Government Furnished Services (GFS), the Contractor shall furnish all necessary personnel, equipment, materials, facilities, travel and management resources necessary to fulfill the requirements of the particular task order.

c. On time and material and labor hour task orders, all other direct costs (materials, equipment, facilities, travel, etc.) shall be billed at cost plus applicable burdens. The fixed indirect rate in Part B may be applied to ODCs on time and material task orders.

d. On time and material and labor hour task orders, incremental reporting of work status by dollars/hours incurred may be required as set forth in the individual task orders.

e. For time and material task orders the Contractor shall perform in accordance with this contract, the requirements of the individual task order, and FAR 52.2327, Payments under Time-

and-Materials and Labor-Hour Contracts. The task order procedure shall be implemented as follows (unless an alternate method is mutually agreed):

1. The Government will identify the requirements for task orders;
  2. The Government and Contractor will review the requirements and mutually determine necessary resources (e.g. hours, training, labor mix, equipment, materials, GFI/GFE requirements, schedule, and metrics) and develop the work statement;
  3. Following the meeting/review, the Contracting Officer will issue a task order;
  4. The Contractor shall furnish a proposal in response to the receipt of the Government requirement within ten (10) working days after the date of the request.;
  5. The task order shall be signed by the Contractor and the Contracting Officer, as appropriate. Unilateral task orders may also be issued by the Contracting Officer. Task orders shall include a statement of work, technical requirement, schedule, and point of contact for acceptance of the work. For labor hour and time and material task orders, a Notto-Exceed (NTE) ceiling price shall be established.
  6. The Contractor shall manage to the task order and shall notify the Government of possible changes that may affect the task order. The Government will make a determination as to the continuance of the order and the scope of work to be performed. The Government and the Contractor will mutually agree upon the resources necessary to complete the revised effort.
- f. Task orders for equipment leased under LWOP arrangements shall contain a time phased monthly schedule for exercise of the purchase option. Purchase options on straight lease arrangements shall be negotiated by the Ordering Contracting Officer at the time the option is invoked. All task orders for leased equipment shall be supported by a contractor developed quotation that utilizes the formulas contained in the contract, giving specific visibility to the factors used to develop the lease pricing, including but not limited to the Treasury constant maturities rate.

**43. Employment of Current Federal, Civilian, or Military Personnel.** The Contractor shall not employ on this contract civilian or military employees who are currently employed by the Federal Government, unless the Contractor obtains express written approval from the contracting officer. Individuals currently employed by the Federal Government must obtain approval from their Ethics Counselor prior to taking outside employment. A copy of the approval must be forwarded to the contracting officer prior to the contract employment of such individuals.

**44. Other Contractors and Government Personnel.** The Contractor shall, in performing under this contract, fully cooperate with other Contractors and Government employees. The Contractor



shall not commit or permit any act that will interfere with the performance of work by any other Contractors or by Government employees.

**45. Disposition of Residual Inventory.**

a. All material and/or equipment, directly chargeable to this contract under any Time And-Materials contract line item, which the Contractor is required to acquire or furnish pursuant to the requirements of this contract shall become Government property when charged to such line items.

b. Residual material and/or equipment will be dispositioned to the Government following delivery of the last line item of supply or service ordered under the particular task order.

**46. Notification of Debarment/Suspension Status.** The Contractor shall provide written notice to the contracting officer within ten (10) days of being suspended, debarred, or declared ineligible by any Department or other Federal Agency, or upon receipt of a notice of proposed debarment from another DOD Agency, during the performance of this contract.

**47. Safety and Accident Prevention.**

a. In performing work under this contract on a Government installation the Contractor shall:

1. Conform to the specific safety requirements established by this contract;
2. Comply with the safety rules of the Government installation that concern related activities not directly addressed in this contract;
3. Take all reasonable steps and precautions to prevent accidents and preserve the life and health of Contractor and Government personnel directly or indirectly involved in the performance of this contract; and
4. Take such additional immediate precautions as the contracting officer may require for safety and accident prevention purposes.

b. The contracting officer may, by written order, direct additional safety and accident standards be met in the performance of this contract. Any modifications to the contract required as a result of such direction will be made in accordance with "Changes" clause of this contract.

c. Any violation of these safety rules and requirements, unless promptly corrected as directed by the contracting officer, shall be grounds for termination of this contract in accordance with the "Termination" clause.

**48. Government Furnished Equipment.** The Government reserves the right to furnish equipment obtained from Government or other commercial supply sources to the Contractor for use in performance of delivery orders.

**49. 52.211-2 -- Availability of Specifications Listed in the DoD Index of Specifications and Standards (DoDISS) (Jun 1997).**

Single copies of specifications cited in this solicitation may be obtained by submitting a written request to the supply point listed below. The request must contain the title of the specification, its number, date, applicable amendment(s), and the solicitation or contract number. A telephone order entry system is available with the use of a touch tone telephone. A Customer Number is required to use this system and may be obtained by written request to the address listed below or by telephone (215-697-2179). In case of urgency, telegraphic requests are acceptable. Voluntary standards, which are not available to offerors and contractors from Government sources, may be obtained from the organization responsible for their preparation, maintenance, or publication.

Standardization Document  
Order Desk Building 4, Section D  
700 Robbins Avenue  
Philadelphia, PA 19111-5094  
Facsimile No. 215-697-2978  
(End of Provision)

**50. Second Sourcing.**

a. A second source is an alternative means of supply for a functionally equivalent item for an existing Part B-1 item. Second sourcing is a post-award contract activity. Alternative sources will not be considered during the pre-award phase of the contract. It is a means of enabling contractors to overcome market conditions beyond their control.

b. When an alternate source is proposed, the contractor shall complete the certification found at the end of this provision that the proposed alternate item is equal or better in functionality and performance than the existing Part B1 item. In addition, offers for second source items shall be supported by the information required by paragraph b(1) through (8) of the "Engineering Changes" Clause. Acceptability of proposed alternative sources is at the sole discretion of the Contracting Officer and no delivery of items from an alternative source will be allowed without formal modification to the contract.

c. Normally, the pricing for second-sourced items will be the same as the original Part B1 item for which an alternative source is proposed. However, a downward price adjustment may be required at the time of second sourcing if the pricing for the item is no longer comparative to concurrent "street pricing". However, all sources for any one given CLIN/sub-CLIN will be priced the same in the resulting contract modification.

d. Delivery orders may state a preferred source for an item. However, it will be at the discretion of the contractor which item will be shipped. Also, the contractor shall not mix sources for a given CLIN/sub-CLIN on the individual delivery orders.

### **SECOND SOURCE CERTIFICATION**

EXCEPT AS EXPRESSLY IDENTIFIED IN WRITING AS PART OF THE ALTERNATIVE-SOURCE PROPOSAL, I, \_\_\_\_\_, REPRESENT THAT THE ADDITIONAL ITEM OFFERED AS A SECOND SOURCE FOR AN EXISTING ITEM PROVIDED UNDER THE CONTRACT (EACH IDENTIFIED BELOW) IS EQUAL TO OR BETTER IN FUNCTIONALITY AND PERFORMANCE THAN THE EXISTING ITEM, AND THAT ANY EXCEPTIONS HAVE BEEN EXPRESSLY IDENTIFIED IN WRITING AS PART OF THE SECOND SOURCE PROPOSAL.

#### **EXISTING ITEM**

#### **SECOND SOURCE ITEM**

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

### **51. Fee-For-Service (FFS) Program Streamlining.**

a. The CLIN prices at Part B-1 have been adjusted by P00007 to include Product Manager, Small Computer Program (PM SCP) 1 percent Fee for Service (FFS). The 1 percent PM SCP Fee for Service to be paid on a monthly basis to the Treasurer of the United States and sent by the contractor to DFAS -Pensacola, is included in the price of all the individual CLINs at Part B1 (CLIN/SLIN List) of the contract. For CLINs in which the price is To Be Determined (TBD) or 1 Lot, the 1 percent PM SCP FFS shall be included in the negotiated price on individual Delivery Orders and modifications of those orders. Any Technical Expert, SOFA Status, and Logistics Support for Performance in the Republic of Korea percentage (located at Part B-1 of the subject

contract) shall remain the same in that the agreed upon percentages would be applied to the unit price prior to application of the FFS adjustment.

The FFS charge remitted reimburses the PM SCP for the costs of operating the Indefinite Delivery/Indefinite Quantity Contracts.

Therefore, the 1 percent PM SCP FFS to be paid to the Treasurer of the United States and sent to DFAS-Pensacola is already included in the payment of Contractor invoices, and shall be collected and retained by the Contractor for disbursement to DFAS-Pensacola. The Contractor shall pay the FFS charge monthly. The FFS shall be delivered by the contractor no later than 10 Government work days after the end of each calendar month in which payment was received. Additionally, the contractor is required to deliver the Army Fee for Service Reconciliation Report by the tenth Government workday after the end of each month. The Army Fee for Service Reconciliation Report shall cover the same time period as the Monthly Status Report. The recommended format and required data elements for the Army Fee for Service Reconciliation Report due to PM SCP for FFS is at D-1 Exhibit 7. The 1 percent FFS charge is calculated by dividing the "Amount Paid to Vendor" column on the Army Fee for Service Reconciliation Report by 1.01, and then multiplying this value by .01. The 1 percent FFS shall be paid in U.S. dollars. PM SCP will monitor the timeliness and accuracy of the FFS, the Army Fee for Service Reconciliation Report due to SCP, and Monthly Status Report submissions. The following procedure will be implemented as of 1 June 2000 for the Reporting Period 1-31 May 2000 and for all subsequent reporting periods:

The 1 percent FFS amount due shall be paid by check made payable to "Treasurer of the United States", and mailed to DFAS-Pensacola at the following address:

Defense Finance and Accounting Service  
Code FD  
Attn: DFAS-PE (FD-SCP)  
130 West Avenue, Suite A  
Pensacola, FL 32508

In order to ensure that the payment is credited properly, the check shall be identified as "SCP Fee Reimbursement" and have the contract number on it. In addition, accompanying the check should be a memorandum, sample format provided as Part D-1 Exhibit 8. The line of accounting for your company is AA 97X4930 AFAC 015 0SX16 068142 3F 000000 923111 UIC: TELOS0 JON: ZTE0010 REF: 923111\*99D0001. A copy of the memorandum and the check should be sent to:

CECOM-Systems Management Center  
PM SCP  
AMSEL-DSA-SCP (ATTN: Mrs. Cheryl Gregory)

Fort Monmouth, NJ 07703-5605

b. The percentage of Fee for Service (FFS) is subject to change during the term of this Contract. The Government reserves the right to change the 1 percent FFS percentage at any time during the life of the contract and the contractor agrees to implement future FFS revisions without additional cost to the Government. The Contractor shall pay the FFS in U.S. Dollars to DFAS Pensacola on a monthly basis via check made payable to the Treasurer of the United States.

c. The 1 percent FFS amount shall be paid by check and submitted directly by mail to DFAS Pensacola. An electronic or hard copy (electronic copy is preferred) of the checks sent to DFAS Pensacola, and a copy of the Army Fee-for-Service Reconciliation Report shall be submitted electronically to PM SCP. The PM SCP electronic address is: [amse-dsa-scp-cr@mail1.monmouth.army.mil](mailto:amse-dsa-scp-cr@mail1.monmouth.army.mil). The check submitted to DFAS-Pensacola as well as the copy of the 1 percent FFS check and the Army Fee for Service Reconciliation Report to be submitted to PM SCP are due by the tenth Government work day after the end of each calendar month. The following is the address that the copy of checks sent to DFAS Pensacola are to be submitted, if submitted to the PM SCP in hard copy:

CECOM-Systems Management Center  
PM SCP  
AMSEL-DSA-SCP (Attn: Mrs. Cheryl Gregory)  
Fort Monmouth, New Jersey 07703-5605

To ensure that the payment is credited properly, the Contractor shall identify the check as a "Fee-For-Service Reimbursement" and include the following information: contract number; the total payments received in the prior month as taken from the Army Fee for Service Reconciliation Report; and report period. Payments received refers to the total of the figures in the Army Fee for Service Reconciliation Report "Amount Paid to Vendor" and this amount is to be the total of all payments received in the prior month. Currently, PM SCP does not have the capability to accept electronic fund transfers (EFTs), however, this capability is expected in the future and the provisions outlined herein shall be followed when EFT becomes available.

d. The contractor is required to provide to DFAS-Pensacola the checks for the full FFS amount within 10 Government work days of the prior calendar month end.

e. In the event of incorrect FFS reporting or failure to pay the full FFS amount due within the prescribed 10 Government work days, the amount due shall be considered a debt to the United States Government under the terms of the Debt Collection Act of 1982. The

Government may exercise all of its rights under the contract, including withholding or setting off payments and interest on the debt (see FAR Clause 52.232-17, Interest). Failure by the contractor to deliver the Army Fee for Service Reconciliation Report, falsification of the Army Fee for Service Reconciliation Report, or failure to pay the fee in a timely manner, may result in termination or cancellation of the contract. Willful failure or refusal to furnish the required Army Fee for Service Reconciliation Report, willful falsification of Army Fee for Service Reconciliation Report, or willful failure to make timely payment of the 1 percent FFS constitutes cause for terminating the Contract for default under the Termination for cause section of the contract located at Part C-1 FAR 52.212-4 paragraph (m).

D-1

EXHIBIT 1A

**MONTHLY STATUS REPORT**

**CLIN/ITEM SALES-SHIPMENTS**

<u>CLIN</u>	<u>CURRENT MONTH</u>				<u>CONTRACT-TO-DATE</u>				<u>DELINQUENT</u>		
	<u>QTY-RCD</u>	<u>\$-RCD</u>	<u>QTY-SHP</u>	<u>\$-SHP</u>	<u>QTY-RCD</u>	<u>\$-RCD</u>	<u>QTY-SHP</u>	<u>\$-SHP</u>	<u>QTY</u>	<u>\$-AMT</u>	
e.g.											
0001AA	565	5,650	20	200	1,000	10,000	400	4,000	55	550	
0002AB.....											

Grand Totals in this section should reflect \$amount columns only.

Criteria for Delinquent: An order not received by the customer within the specified time period set forth at Part D1, Paragraph 22, shall be considered delinquent.

**ORDER DELIVERY**

<u>AGY/SER</u>	<u>MCOM/OFC</u>	<u>DO#</u>	<u>TRACKING#</u>	<u>ORD</u>								
				<u>TYPE</u>	<u>DT-RCD</u>	<u>DT-ACC</u>	<u>DTMR</u>	<u>CDD</u>	<u>DDD</u>	<u>ADD</u>	<u>PDD</u>	<u>DTD</u>
e.g.												
Army	DOIM	A001	AR-0001	E	6/14/99	6/16/99	-	6/26/99	7/10/99	7/14/99	10	
Army	CECOM	B123	AR-0002	L	6/14/99	6/15/99	-	6/25/99	7/07/99	7/14/99	10	

Sequence: By Agency/Service, DT-RCD, then DO#, page break on Agency/Service.

Legend: **AGY/SER** = Agency/Service; **MACOM/OFC** = MACOM/Office;

**DO#** = Delivery Order Number; **TRACKING#** = Agency/Service provided Tracking Number;

**ORDTYPE** = Order Type (E = Equipment; S = Service; B = Equipment & Service; L = Lease);

**DT-RCD** = Date Received; **DT-ACC** = Date Accepted; **DTMR** = Date Mod Requested;

**CDD** = Contractual Delivery Date; **DDD** = Delayed Delivery Date; **ADD** = Actual Delivery Date;

**PDD** = Projected Delivery Date; **DTD** = Days to Deliver

Totals should reflect # of orders by Service/Agency and an Average Days To Ship (Accept Date - Ship Date) by Service/Agency.

Grand Total should reflect total # of orders from all Services/Agencies and an Average Days To Ship for all orders.

**TREND DATA**

<u>Total #of Shipments</u>	<u>% Shipped Early</u>	<u>% Shipped on time</u>	<u>% Shipped Late</u>
e.g.			
1045	20 % (209)	79 % (826)	1% (10)

For all late shipments Delivery Order Number and rationale shall also be provided in this statement.

DO#      Rationale

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EXHIBIT 1B

**MONTHLY STATUS REPORT**

**SERVICE BREAKOUT REPORT**

**CLIN/ITEM SALES-SHIPMENTS**

<u>CLIN</u>	<u>CURRENT MONTH</u>				<u>CONTRACT-TO-DATE</u>				<u>DELINQUENT</u>	
	<u>QTY-RCD</u>	<u>\$-RCD</u>	<u>QTY-SHP</u>	<u>\$-SHP</u>	<u>QTY-RCD</u>	<u>\$-RCD</u>	<u>QTY-SHP</u>	<u>\$-SHP</u>	<u>QTY</u>	<u>\$-AMT</u>
e.g. 0001AA	565	5,650	20	200	1,000	10,000	400	4,000	55	550
0002AB.....										

Grand Totals in this section should reflect \$amount columns only.

Criteria for Delinquent: An order not received by the customer within the specified time period set forth at Part D1, Paragraph 22, shall be considered delinquent.

**ORDER DELIVERY**

<u>AGY/SER</u>	<u>MCOM/OFC</u>	<u>DO#</u>	<u>TRACKING#</u>	<u>DT-RCD</u>	<u>DT-ACC</u>	<u>DTMR</u>	<u>CDD</u>	<u>DDD</u>	<u>ADD</u>	<u>PDD</u>	<u>DTC</u>
e.g. Army	DOIM	A001	AR-0001	6/14/99	6/16/99	-	6/26/99	7/10/99	7/14/99	10	

Sequence: By Agency/Service, DT-RCD, then DO#, page break on Agency/Service.

Legend: **AGY/SER** = Agency/Service; **MACOM/OFC** = MACOM/Office;

**DO#** = Delivery Order Number; **TRACKING#** = Agency/Service provided Tracking Number;

**DT-RCD** = Date Received; **DT-ACC** = Date Accepted; **DTMR** = Date Mod Requested;

**CDD** = Contractual Delivery Date; **DDD** = Delayed Delivery Date; **ADD** = Actual Delivery Date;

**PDD** = Projected Delivery Date; **DTC** = Days to Complete

Totals should reflect # of orders by Service/Agency and an Average Days To Complete (Accept Date - Completion Date) by Service/Agency.

Grand Total should reflect total # of orders from all Services/Agencies and an Average DaysTo Complete for all orders.



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EXHIBIT 2

**WEEKLY ORDER ACTIVITY  
RECORD LAYOUT**

<u>Delivery</u> <u>Order No.</u>	<u>Order</u> <u>Type</u>	<u>Date</u> <u>Received</u>	<u>Date</u> <u>Mod</u> <u>Requested</u>	<u>Date</u> <u>Accepted</u>	<u>Projected</u> <u>Ship Date</u>	<u>Projected</u> <u>Delivery/Service</u>
e.g. A001	B	4/9/99		4/14/99	5/4/99	5/9/99

**NOTE: Vendor fills out ship date for products, service date for training/services.**

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EXHIBIT 3

**EQUIPMENT FAILURE REPORT  
LAYOUT**

<u>Agency</u>	<u>CLIN</u>	<u>Serial#</u>	<u>Part#</u>	<u>Part Description</u>	<u>Failure Description</u>	<u>Received</u>	<u>Closed</u>	<u>TAT</u>
e.g.								
ARMY	0006AA	23456	1Q34	17" SVGA Monitor	Double line	07-Aug-96	09-Aug-96	2

Note: TAT is Turn-Around-Time

Sequence:

Part I:

CLINs by Agency

Page Break on Agency

Part II:

List Totals of Items by CLINs, ignoring service/agency

Report shall provide monthly as well as cumulative failure rates for the entire contract period.

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EXHIBIT 4

**CREDIT CARD REPORT**

**LAYOUT**

This is to be provided PMSCP, Fort Monmouth, New Jersey at the following E-mail address in the required format: AMSEL-DSA-SCP-CR@mail1.MONMOUTH.ARMY.MIL

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**MINIMUM REQUIRED FIELDS FOR CREDIT CARD ORDERS**  
(File needs to be in a Microsoft Excel format)

File layout Definition. Each row of the spreadsheet contains information on a specific credit card transaction. Below is the required spreadsheet columns. There should be no extra spaces and no commas in the file. All characters are required to be in capital letters.

<u>COLUMN NAME</u>	<u>DESCRIPTION OF COLUMN</u>
contract_number	Contract number that the equipment is being ordered from. (Full contract number. up to 16 digits and includes dashes)
credit_card_number	Credit card number (16 Digits. NO DASHES!!!)
delivery_order_number	Has to be unique to the contract number. Must start with the letter 'A' and numbered sequentially with a maximum field length of 7 characters.
date	Date of transaction. {format: dd-mmm-yyyy}
purchaser	Name of the credit card holder (Last Name; First Name- NO Commas up to 35 Characters (use a space to separate the last name from the first name)
phone_number	Phone number of purchaser (format: 999-999-9999)
address_line_1	First line of the Ship to address(Alphanumeric- up to 35 Characters (no commas)
address_line_2	Second line of the Ship to address {Alphanumeric- up to 35 Characters (no commas)
address_line_3	Third line of the Ship to address (Alphanumeric- up to 35 Characters (no commas)

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city	City (Alphanumeric- up to 15 Characters (no commas)
State	Post Office 2 Character Abbreviation (2 characters)
zip_code	First five (5) digits of the zip code (5 digits)
zip_code_extension	The four digit extension for the zip code (4 digits)
Clin number	Clin number being ordered (Maximum of 6 alphanumeric characters)
clin_quantity	Clin quantity being ordered (up to 6 digits, whole numbers)
extended_dollar_amount	Extended dollar amount (Clin_quantity * unit price) {Maximum of 12 digits - places~ to the left of the decimal point and two to the right of the decimal point. No formatting such as dollar signs or commas)
grand_total	Total dollar amount of the whole transaction (Maximum of 12 digits - 10 places to the left of the decimal point and two to the right of the decimal point. No formatting such as dollar signs or commas)
macom	Major Army Command identifier. Government provides helpful listing to assist if user cannot identify, (Maximum of 10 characters)

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## EXHIBIT 5

### SAMPLE MONTHLY REPORT FOR CATALOG INFORMATION

Report Elements for monthly report for Catalog information, by  
catalog

Product Change Report

Global Price List US Availability - Effective date

Section A are the current listing of Products and Prices

Section B and C list product additions and deletions

CLIN Number	Product Number	Product Description	Price
-------------	----------------	---------------------	-------

IS-1 Contract price	Qty sold		
---------------------	----------	--	--

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**EXHIBIT 6**

**SAMPLE REJECT LETTERS**

Department of the Army  
CECOM-SMC, PMSCP  
ATTN: AMSEL-DSA-SCP (IS-1)  
BUILDING 283  
FORT MONMOUTH, NJ 07703-5605

**(732) 532-7950** Our "Toll Free" number is: **1-888-232-4405**  
**DSN: 992-7950** E-MAIL [carmanj@mail1.monmouth.army.mil](mailto:carmanj@mail1.monmouth.army.mil)

SUBJECT: Your Delivery Order/Modification: \_\_\_\_\_

Contract **DAAB15-99-D-0001 (IS-1) TELOS**

**Your Service Fee was missing or your MIPR is in error and can not be processed. Your order is on hold at the Army COPO until the appropriate fee is provided. For help in resolving the following Fee For Service problems please contact our Budget Administrator at (732) 532-7901 or DSN 992-7901**

1. There is a 1% Army Fee-For-Service on the DAAB15-99-D-0001 contract for all orders \$5,000.00 and over. This fee is handled on a (DD448) form, Military Interdepartmental Purchase Request (MIPR). No MIPR (DD 448) was attached or referenced on the order(s) (DD 1155). A MIPR is required for the delivery orders listed below:

<u>Delivery Order #</u>	<u>Amount of Order</u>	<u>Amount of Fee Due</u>
-------------------------	------------------------	--------------------------

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2. The MIPR number \_\_\_\_\_ referenced on this DD1155 is invalid.
3. The Blanket MIPR established for this order has been exhausted. Please call the number above to make arrangements to extend the MIPR.

**To resolve the problem above please contact Jill Carman at (732) 427-6609, DSN: 987-6609  
Toll Free 1-888-232-4405 or email me at: carmanj@mail1.monmouth.army.mil**

**If you would like to check status of your delivery order, you can check our Web site address  
at:  
<http://pmscp.monmouth.army.mil>**

It is recommended you contact your customer and inform them that there will be a delay in delivery. The length of the delay is equal to the amount of time it takes until a fee for service (MIPR) is received.

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Department of the Army  
CECOM-SMC, PMSCP  
ATTN: AMSEL-DSA-SCP (IS-1)  
BUILDING 283  
FORT MONMOUTH, NJ 07703-5605

(732) 532-7950 Our "Toll Free" number is: 1-888-232-4405  
DSN: 992-7950 E-MAIL carmanj@mail1.monmouth.army.mil

SUBJECT: Your Delivery Order/Modification: \_\_\_\_\_

Contract **DAAB15-99-D-0001 (IS-1) TELOS**

**BLOCK 1** MUST CONTAIN CONTRACT NO. **DAAB15-99-D-0001**

**BLOCK 2** MUST CONTAIN YOUR **FOUR DIGIT DELIVERY ORDER NUMBER**.  
DO NOT USE "A","P" IN THE 1ST POSITION OR "I","O" IN ANY POSITION.  
YOUR DELIVERY ORDER NUMBER HAS ALL READY BEEN USED.

**BLOCK 3** MUST CONTAIN **DATE**.  
USE FORMAT MM/DD/YY

**BLOCK 6** **COMPLETE ISSUING OFFICE ADDRESS REQUIRED**

**INCLUDING: POC NAME - PHONE # - and - EMAIL ADDRESS**

ISSUING OFFICE DODAAC CODE NOT ENTERED  
**ISSUING OFFICE DODAAC CODE INCORRECT**

**BLOCK 7** MUST BE: **DCMC BALTIMORE-MANASSAS**  
**10500 BATTLEVIEW PARKWAY**  
**SUITE 200**  
**MANASSAS, VA 20109-2342**  
**CODE: S2404A**  
(Local administration allowed with local payment.)

**BLOCK 8** MUST BE MARKED **DESTINATION**

**BLOCK 9** MUST BE **TELOS CORPORATION**  
**19886 ASHBURN ROAD**  
**ASHBURN, VA 20147-2358**  
**CODE: 0ZPY5**



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**BLOCK 10 25 DAYS ARO FOR CONUS AND OCONUS  
40 DAYS ARO FOR REMOTE OCONUS**

**BLOCK 11 MUST BE "BLANK"**

**BLOCK 12 MUST BE "N/A"**

**BLOCK 13 MUST BE "SEE BLOCK 15"**

**BLOCK 14 COMPLETE SHIP TO ADDRESS REQUIRED**

**INCLUDING: POC NAME - PHONE # - and - EMAIL ADDRESS**

**SHIP TO DODAAC CODE NOT ENTERED**

**SHIP TO DODAAC CODE INCORRECT**

**APO ADDRESSES ARE NOT ACCEPTABLE**

**BLOCK 15 MUST BE: DFAS COLUMBUS CENTER  
SOUTH ENTITLEMENT OPERATIONS  
PO BOX 182264  
COLUMBUS, OH 43218-2264  
CODE: HQ0338**

(Local payment is allowed with local administration.)

**BLOCK 16 PUT AN "X" IN THE BOX MARKED "DELIVERY"**

**BLOCK 17 MUST HAVE VALID FUND CITE WITH ACRN NUMBER  
MUST ASSIGN ACRN NUMBER (SEE DFARs 204.7107)**

**BLOCK 18 MUST HAVE CLIN NUMBER ONLY  
ITEMS NUMBERS NOT PERMITTED  
THE FOLLOWING CLIN NUMBERS ARE INCORRECT:**

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**BLOCK 19 REMITTANCE ADDRESS MUST BE:  
TELOS SYSTEMS INTEGRATION  
P.O. BOX 277391  
ATLANTA, GA 30384-7391**

**ELECTRONIC FUNDS TRANSFER (EFT)**

**NATIONS BANK/ACH SERVICES**

**Routing Transit Number: 111000012**

**Depositor Account Number: 3750651049**

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**MUST HAVE: POC NAME - PHONE # - and - E-MAIL ADDRESS**

MUST HAVE CLIN DESCRIPTION

ALL PRICES SHOULD BE IN WHOLE U.S. DOLLARS, EXCEPT FOR CLINS  
X021-X024

WHEN ORDERING SERVICE CLINS, YOU MUST INCLUDE A SOW

MUST SUPPLY VENDOR QUOTE FOR SPECIAL PRICING

OTHER: \_\_\_\_\_  
\_\_\_\_\_

**BLOCK 20** MUST CONTAIN ITEM QUANTITY

**BLOCK 21** MUST CONTAIN UNIT OF MEASUREMENT  
(EA/FT/HR/LO/MO/WK/DA/SET)

**BLOCK 22** MUST CONTAIN UNIT PRICE

THE FOLLOWING CLIN PRICES ARE INCORRECT: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**BLOCK 23** MUST CONTAIN EXTENDED AMOUNT

**BLOCK 24** MUST CONTAIN CONTRACTING OFFICER'S SIGNATURE AND DATE

**BLOCK 25** MUST CONTAIN TOTAL ORDER AMOUNT  
TOTAL DOLLAR AMOUNT INCORRECT

PLEASE MAIL **7 COPIES** OF YOUR **SF/30** MODIFICATION AND **1 COPY** OF YOUR  
DD1155

OTHER: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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THE FOLLOWING ARE THE **MOST COMMON REASONS FOR REJECTIONS ON SF 30s**. IN COMPLETING YOUR SF30 PLEASE ENSURE:

**BLOCK 2** THE MODIFICATION NUMBER IS IN THE FORMAT 01 OR THE  
DELIVERY ORDER NUMBER DASH 01(i.e. E46C-01).

**BLOCK 7** CONTAINS SAME ADMINISTRATIVE ADDRESS AS ON ORIGINAL  
DD1155 BLOCK 7

**BLOCK 8** CONTAINS THE CORRECT VENDOR ADDRESS.

**BLOCK 10A** CONTAINS THE BASIC CONTRACT NUMBER AND THE 4 DIGIT  
DELIVERY ORDER NUMBER

**BLOCK 10B** CONTAINS DATE OF DELIVERY ORDER

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Department of the Army  
CECOM-SMC, PMSCP  
ATTN: AMSEL-DSA-SCP (IS-1)  
BUILDING 283  
FORT MONMOUTH, NJ 07703-5605  
(732) 532-7950 DSN: 992-7950

**Our "Toll Free" number is: 1-888-232-4405**  
**E-mail: carmanj@mail1.monmouth.army.mil**

SUBJECT: Your Delivery Order/Modification: \_\_\_\_\_

Contract **DAAB15-99-D-0001 (IS-1) TELOS**

**Your Service Fee was missing or your fee order is in error and can not be processed. Your order is on hold at the Army COPO until the appropriate fee is provided. For help in resolving the following Fee-For-Service problems please contact our Budget Administrator at (732) 532-7901 or DSN 992-7901**

1. There is a 1% Army Fee-For-Service on the DAAB15-99-D-0001 contract for all orders \$5,000.00 and over. This fee is handled on *separate* order form. A separate order was not attached or referenced on the order(s). An Order for our Fee-For-Service is required for the delivery orders listed below:

<u>Delivery Order #</u>	<u>Amount of Order</u>	<u>Amount of Fee Due</u>
-------------------------	------------------------	--------------------------

2. The Order Fee number \_\_\_\_\_ referenced on this order is invalid.
3. The Blanket Order Fee established for this order has been exhausted. Please call the number above to make arrangements to extend the Order Fee document.

**To resolve the problem above please contact Jill Carman at (732) 427-6609, DSN: 987-6609, Toll Free 1-888-232-4405 or email me at: carmanj@mail1.monmouth.army.mil**

If you would like to check status of your delivery order, you can check our Web site address at:  
<http://pmscp.monmouth.army.mil>

It is recommended you contact your customer and inform them that there will be a delay in delivery. The length of the delay is equal to the amount of time it takes until a Fee-For Service Order is received.

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Department of the Army  
CECOM-SMC, PMSCP  
ATTN: AMSEL-DSA-SCP (IS-1)  
BUILDING 283  
FORT MONMOUTH, NJ 07703-5605  
(732) 532-7950 DSN: 992-7950

**Our "Toll Free" number is: 1-888-232-4405**  
**E-mail: carmanj@mail1.monmouth.army.mil**

SUBJECT: Your Delivery Order/Modification: \_\_\_\_\_

Contract **DAAB15-99-D-0001 (IS-1) TELOS**

Your Purchase Order must contain the following information in the appropriate blocks.

**CONTRACT NUMBER MUST BE: DAAB15-99-D-0001**

**PURCHASE ORDER NUMBER:**

PLEASE DO NOT USE "A","P" IN THE 1ST POSITION OR "I","O" IN ANY POSITION.

**MUST CONTAIN DATE OF ORDER**

USE FORMAT DD/MM/YYYY

**COMPLETE ISSUING OFFICE ADDRESS REQUIRED INCLUDING POC NAME, COMMERCIAL PHONE NUMBER AND E-MAIL ADDRESS**

LOCAL ADMINISTRATION ADDRESS

**CONTRACTOR ADDRESS: MUST BE TELOS CORPORATION**  
**19886 ASHBURN ROAD**  
**ASHBURN, VA 20147-2358**  
**CODE: 0ZPY5**

**SHIP TO ADDRESS:**

**COMPLETE SHIP TO ADDRESS REQUIRED INCLUDING POC NAME, COMMERCIAL PHONE NUMBER AND E-MAIL ADDRESS**

*PLEASE NOTE: P.O. BOXES AND APO ADDRESSES ARE NOT*

**ACCEPTABLE**

**LOCAL PAYMENT ADDRESS**

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**MUST CONTAIN A VALID FUND CITE**

**MUST HAVE CLIN NUMBER ONLY  
ITEMS NUMBERS NOT PERMITTED**

**REMITTANCE ADDRESS MUST BE:  
TELOS SYSTEMS INTEGRATION  
P.O. BOX 277391  
ATLANTA, GA 30384-7391**

**ELECTRONIC FUNDS TRANSFER (EFT)  
NATIONS BANK/ACH SERVICES  
Routing Transit Number: 111000012  
Depositor Account Number: 3750651049**

<b>MUST HAVE:      POC NAME - PHONE # - and – E-MAIL ADDRESS</b>
--

**MUST HAVE CLIN DESCRIPTION**

**ALL PRICES SHOULD BE IN WHOLE U.S. DOLLARS , EXCEPT FOR CLINS X021-X024**

**WHEN ORDERING SERVICE CLINS, YOU MUST INCLUDE A SOW**

**MUST SUPPLY VENDOR QUOTE FOR SPECIAL PRICING**

**MUST CONTAIN ITEM QUANTITY**

**MUST CONTAIN UNIT OF MEASUREMENT (EA/FT/HR/LO/MO/WK/DA/SET)**

**MUST CONTAIN UNIT PRICE**

**MUST CONTAIN EXTENDED AMOUNT**

**MUST CONTAIN CONTRACTING OFFICER'S SIGNATURE AND DATE**

**MUST CONTAIN TOTAL ORDER AMOUNT**

**PLEASE MAIL 7 COPIES OF YOUR MODIFICATION AND 1 COPY OF YOUR  
PURCHASE ORDER.**

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Department of the Army  
CECOM-SMC, PMSCP  
ATTN: AMSEL-DSA-SCP (IS-1)  
BUILDING 283  
FORT MONMOUTH, NJ 07703-5605

**(732) 532-7950 Our "Toll Free" number is: 1-888-232-4405**  
**DSN: 992-7950 E-MAIL: carmanj@mail1.monmouth.army.mil**

SUBJECT: Your Delivery Order/Modification: \_\_\_\_\_

Contract **DAAB15-99-D-0001 (IS-1) TELOS**

**Your Service Fee was missing or your MIPR is in error and can not be processed. Your order is on hold at the Army COPO until the appropriate fee is provided. For help in resolving the following Fee For Service problems please contact our Budget Administrator at (732) 532-7901 or DSN 992-7901:**

1. There is a 1% Army fee for service on the DAAB15-99-D-0001 contract for all orders \$5,000.00 and over. This fee is handled on a (DD448) form, Military Interdepartmental Purchase Request (MIPR). No MIPR (DD 448) was attached or referenced on the order(s) (SF 1449). A MIPR is required for the delivery orders listed below:

Delivery Order #	Amount of Order	Amount of Fee Due
------------------	-----------------	-------------------

2. The MIPR number \_\_\_\_\_ referenced on this SF 1449 is invalid.

3. The Blanket MIPR established for this order has been exhausted. Please call the number above to make arrangements to extend the MIPR.

**To resolve the problem above please contact Jill Carman at (732) 427-6609, DSN: 987-6609 or Toll Free 1-888-232-4405 or email me at: carmanj@mail1.monmouth.army.mil**

**If you would like to check status of your delivery order,**  
**you can check our Web site address at: <http://pmscp.monmouth.army.mil>**

It is recommended you contact your customer and inform them that there will be a delay in delivery. The length of the delay is equal to the amount of time it takes until a fee for service (MIPR) is received.

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Department of the Army  
CECOM-SMC, PMSCP  
ATTN: AMSEL-DSA-SCP (IS-1)  
BUILDING 283  
FORT MONMOUTH, NJ 07703-5605

(732) 532-7950 Our "Toll Free" number is: 1-888-232-4405  
DSN: 992-7950 E-MAIL [carmanj@mail1.monmouth.army.mil](mailto:carmanj@mail1.monmouth.army.mil)

***It is recommended you contact your customer and inform them that there will be a delay in delivery. The length of the delay is equal to the amount of time it takes until a modification is received correcting the highlighted errors.***

SUBJECT: Your Delivery Order/Modification: \_\_\_\_\_  
Contract **DAAB15-99-D-0001 (IS-1) TELOS**

**BLOCK 2 MUST CONTAIN CONTRACT NO. DAAB15-99-D-0001**

**BLOCK 3 MUST CONTAIN DATE.**  
USE FORMAT MM/DD/YY

**BLOCK 4 MUST CONTAIN YOUR FOUR DIGIT DELIVERY ORDER NUMBER.**  
DO NOT USE "A","P" IN THE 1ST POSITION OR "I","O" IN ANY POSITION.  
YOUR DELIVERY ORDER NUMBER HAS ALL READY BEEN USED.

**BLOCK 9 COMPLETE ISSUING OFFICE ADDRESS REQUIRED**  
**INCLUDING: POC NAME – PHONE # - and – EMAIL ADDRESS**  
**ISSUING OFFICE DODAAC CODE NOT ENTERED**  
**ISSUING OFFICE DODAAC CODE INCORRECT**

**BLOCK 11 MUST BE LEFT: DESTINATION**

**BLOCK 12 MUST BE "0"**

**BLOCK 15 COMPLETE SHIP TO ADDRESS REQUIRED**  
**INCLUDING: POC NAME – PHONE # - and – EMAIL ADDRESS**  
**SHIP TO DODAAC CODE NOT ENTERED**  
**SHIP TO DODAAC CODE INCORRECT**  
**NO APO ADDRESSES ACCEPTED**

**BLOCK 16 MUST BE: DCMC BALTIMORE-MANASSAS**  
**10500 BATTLEVIEW PARKWAY**  
**SUITE 200**



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**MANASSAS, VA 20109-2342**  
**CODE: S2404A**

**(Local administration allowed with local payment.)**

**BLOCK 17a MUST BE    TELOS CORPORATION**  
**19886 ASHBURN ROAD**  
**ASHBURN, VA    20147-2358**  
**CODE:    0ZPY5**

**BLOCK 18a MUST BE:    DFAS COLUMBUS CENTER**  
**SOUTH ENTITLEMENT OPERATIONS**  
**PO BOX 182264**  
**COLUMBUS, OH 43218-2264**  
**CODE:    HQ0338**

**(Local payment is allowed with local administration.)**

**BLOCK 19    MUST HAVE CLIN NUMBER ONLY**  
**ITEMS NUMBERS NOT PERMITTED**  
**THE FOLLOWING CLIN NUMBERS ARE INCORRECT:**

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**BLOCK 20 REMITTANCE ADDRESS MUST BE:**

**TELOS CORPORATION**  
**P.O. BOX 277391**  
**ATLANTA, GA 30384-7391**

**ELECTRONIC FUNDS TRANSFER (EFT)**  
**NATIONS BANK/ACH SERVICES**  
Routing Transit Number: 111000012  
Depositor Account Number: 3750651049

**DELIVERY IS 25 DAYS ARO FOR CONUS AND OCONUS AND 40 DAYS ARO  
FOR REMOTE OCONUS.**

<b>MUST HAVE:            POC NAME - PHONE # - and – E-MAIL ADDRESS</b>
--

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MUST HAVE CLIN DESCRIPTION

ALL PRICES SHOULD BE IN WHOLE U.S. DOLLARS, EXCEPT FOR CLINS  
X021-X024

WHEN ORDERING SERVICES CLINS SERIES, YOU MUST INCLUDE A  
SOW

MUST SUPPLY VENDOR QUOTE FOR SPECIAL PRICING

OTHER: \_\_\_\_\_  
\_\_\_\_\_

**BLOCK 21** MUST CONTAIN **ITEM QUANTITY**

**BLOCK 22** MUST CONTAIN **UNIT OF MEASUREMENT**  
(EA/FT/HR/LO/MO/WK/DA/SET)

**BLOCK 23** MUST CONTAIN **UNIT PRICE**

THE FOLLOWING **CLIN PRICES ARE INCORRECT**: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**BLOCK 24** MUST CONTAIN **EXTENDED AMOUNT**

**BLOCK 25** MUST HAVE **VALID FUND CITE WITH ACRN NUMBER**  
MUST ASSIGN ACRN NUMBER (SEE DFARs 204.7107)  
AMOUNT OBLIGATED IN BLOCK 25 MUST EQUAL AMOUNT IN BLOCK  
26.

**BLOCK 26** MUST CONTAIN **TOTAL ORDER AMOUNT**  
**TOTAL DOLLAR AMOUNT INCORRECT**

**BLOCK 27b/c** BOX MUST BE "X"ed AND MARK "X" IN FRONT OF "ARE NOT  
ATTACHED"

**BLOCK 31a** MUST CONTAIN **CONTRACTING OFFICER'S SIGNATURE AND DATE**

PLEASE MAIL **7 COPIES** OF YOUR **SF/30** MODIFICATION AND **1 COPY** OF YOUR **SF**  
**1449**

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**OTHER**

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THE FOLLOWING ARE THE **MOST COMMON REASONS FOR REJECTIONS ON SF 30s.** IN COMPLETING YOUR SF30 PLEASE ENSURE:

**BLOCK 2** THE MODIFICATION NUMBER IS IN THE FORMAT 01 OR THE  
DELIVERY ORDER NUMBER DASH 01(i.e. E46C -01).

**BLOCK 7** CONTAINS SAME ADMINISTRATIVE ADDRESS AS ON ORIGINAL SF  
1449 BLOCK 7

**BLOCK 8** CONTAINS THE CORRECT VENDOR ADDRESS.

**BLOCK 10A** CONTAINS THE BASIC CONTRACT NUMBER AND THE 4 DIGIT  
DELIVERY ORDER NUMBER

**BLOCK 10B** CONTAINS DATE OF DELIVERY ORDER

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## EXHIBIT 7

REPORT NUMBER: XXXXXX

### ARMY SCP FFS RECONCILIATION REPORT

REPORT PERIOD DD/MON/YYYY THROUGH DD/MON/YYYY

VENDOR: ABC COMPANY

COPO TRACKING NUMBER	CONTRACT NUMBER	DELIVERY ORDER NUMBER	MOD NUMBER	DATE ORDER SENT TO VENDOR	TOTAL DOLLAR AMOUNT OF ORDER*	AMOUNT PAID TO VENDOR	DFAS CHECK NUMBER OR EFT ID	BALANCE DUE TO VENDOR	1% REMIT. FEE DUE THIS PERIOD	TRANSACTION TYPE
1003	DAAB07-97-A-Y002	BG01		23-JUN-1999	40,234.56	40,234.56		0	398.36	CC
1004	DAAB07-97-A-Y002	BG02		24-JUN-1999	50,000.00	25,000.00		25,000.00	247.52	EL
1005	DAAB07-97-A-Y003	BG03		25-JUN-1999	10,000.00	10,000.00		0	99.01	PA

- NOTE: REPORT BREAKS BY SPECIFIC CONTRACT/BPA WHEN VENDOR HOLDS MORE THAN 1 CONTRACT/BPA

- INPUT REQUIRED IS DUE TO PM SCP BY THE 10<sup>TH</sup> GOVERNMENT WORK DAY AFTER THE END OF EACH MONTH. INPUT SHOULD BE PROVIDED IN AN EXCEL SPREADSHEET (ASCII FORMAT). THE INPUT REPORTED IS FOR THAT REPORTING PERIOD ACTIVITY ONLY (NOT CUMULATIVE LISTING). IF NO PAYMENTS WERE RECEIVED DURING THE PREVIOUS MONTH, A NEGATIVE REPORT IS REQUIRED.
- SPECIAL NOTE TO VENDOR(S): ALL "NON-ARMY (EXCLUDES ORDERS SENT TO THE VENDOR FROM THE ARMY SCP COPO) ORDERS PLACED WITH A VENDOR MUST BE REPORTED BY THE VENDOR VIA THE "CREDIT CARD/OTHER ORDER SOURCE" ACTIVITY INPUT EACH WEEK. THESE ARE CREDIT CARD, ELECTRONIC ORDER, OR PAPER ORDERS RECEIVED DIRECTLY BY THE VENDOR NOT HAVING PREVIOUSLY PASSED THROUGH SCP ORDER ADMINISTRATION. THIS REPORTING WILL PROVIDE THE COMPARISON INPUT FOR SCP'S NON-ARMY ORDER FFS RECONCILIATION PROCESS.
- DATA FIELDS (ELECTRONIC INPUT): SEPARATE FILE FOR EACH CONTRACT/BPA. EACH ROW OF THE SPREADSHEET CONTAINS INFORMATION ON A SPECIFIC DELIVERY ORDER TRANSACTION. BELOW ARE THE REQUIRED SPREADSHEET COLUMNS. THERE SHOULD BE NO EXTRA SPACES AND NO COMMAS IN THE FILE. ALL CHARACTERS ARE REQUIRED TO BE IN CAPITAL LETTERS. NO FORMATTING SUCH AS DOLLAR SIGNS OR COMMAS FOR DOLLAR VALUES.

\*Excludes interest penalties paid by the Government under the Prompt Payment Act. Also excludes as any prompt payment discounts ~~len~~ by the Government.

<u>COLUMN NAME</u>	<u>COLUMN FORMAT</u>	<u>COMMENTS</u>
* Report Number	alphanumeric- up to 6 characters	Vendor Sequential #
* Report Pd. - Start	DD-MON-YYYY	Date includes dashes
* Report Pd. - End	DD-MON-YYYY	Date includes dashes
* Vendor Name	alpha	
* COPO Track#	numeric- up to 31 numbers	Army COPO only
* Contract #	alphanumeric- up to 21 characters	
* D.O. #	alphanumeric- up to 21 characters	No dashes allowed (PA orders only)
* MOD #	alphanumeric- up to 6 characters	If there is no MOD to the D.O., leave blank
* Date Order Sent	DD-MON-YYYY	COPO - Stamp/CC
.		or EL - Date Ordered (date includes dashes)

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* Total \$ - Order	Maximum of 12 digits— 10 places to the left of the decimal point and two to the right of the decimal point. No formatting such as dollar signs or commas.	Dollar Value
* Amt. Paid to Vndr.	Maximum of 12 digits— 10 places to the left of the decimal point and two to the right of the decimal point. No formatting such as dollar signs or commas.	DFAS/Other
* Amt. Due to Vndr.	Maximum of 12 digits— 10 places to the left of the decimal point and two to the right of the decimal point. No formatting such as dollar signs or commas.	Balance Due on Order
* 1% Remittance Due	Maximum of 12 digits— 10 places to the left of the decimal point and two to the right of the decimal point. No formatting such as dollar signs or commas.	Amt due to SCP
* Transaction Type	2 characters	CC or EL or PA (CC: Credit Card; EL: Other Electronic Order; PA: Paper/Hardcopy)

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Exhibit 8

**SAMPLE**

(COMPANY NAME)

(Date)

MEMORANDUM FOR Defense Finance and Accounting Service

Code FD

Attn: DFAS-PE (FD-SCP)

130 West Avenue, Suite A

Pensacola, Florida 32508-5120

FROM: (Company Name)

(Street Address)

(City, State, and Zip Code)

SUBJECT: Collection of Checks for (Contract #) – FY(00, 01, etc.)

1. Line of accounting to collect this check into is:

2. Direct questions to Mrs. Cheryl Gregory, DSN 987-6574 or Commercial 732-427-6574.

1 Attach: Check #

(Signature)